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SHIPPER/EXPORTER SACO SHIPPING GMBH AS AGENT OF SACO SHIPPING LINE LTD BGM.-SMIDT-STR.128 D-28195 BREMEN SH>		BOOKING NO. HAMMD31399400	SEA WAYBILL NO. ONEYHAMMD31399400
CONSIGNEE INTERTEAM, S.A. DE C.V. SERVIC. INTERNACION. DE COMERCIO COLIMA 114 DESPACHO 201 COLONIA ROMA,C.P.06700, MEXICO CN>		EXPORT REFERENCES(for the Merchant's and/or Carrier's reference only. See back clause 8. (4).) 3/05/BRE/5281 181014	
NOTIFY PARTY (It is agreed that no responsibility shall be attached to the Carrier or its Agents for failure to notify) INTERTEAM, S.A. DE C.V. SERVIC. INTERNACION. DE COMERCIO COLIMA 114 DESPACHO 201 COLONIA ROMA,C.P.06700, MEXICO NP>		FORWARDING AGENT-REFERENCES FMC NO.	
PRE-CARRIAGE BY		PLACE OF RECEIPT HAMBURG	RECEIVED by the Carrier in apparent good order and condition (unless otherwise stated herein) the total number or quantity of Containers or other packages or units indicated in the box entitled "Carrier's Receipt", to be carried subject to all the terms and conditions hereof from the Place of Receipt or Port of Loading to the Port of Discharge or Place of Delivery, as applicable. Delivery of the Goods to the Carrier for Carriage hereunder constitutes acceptance by the Merchant (as defined hereinafter) (i) of all the terms and conditions, whether printed, stamped or otherwise incorporated on this side and on the reverse side of this Bill of lading and the terms and conditions of the Carrier's applicable tariff(s) as if they were all signed by the Merchant, and (ii) that any prior representations and/or agreements for or in connection with Carriage of the Goods are superseded by this Bill of Lading. If this is a negotiable (To Order/of) Bill of Lading, one original Bill of Lading, duly endorsed must be surrendered by the Merchant to the Carrier (together with any outstanding Freight) in exchange for the Goods or a Delivery Order or the pin codes for any applicable Electronic Release System. If this is a non-negotiable (straight) Bill of Lading, or where issued as a Sea Waybill, the Carrier shall deliver the Goods or issue a Delivery Order or the pin codes for any applicable Electronic Release System (after payment of outstanding Freight) to the named consignee against the surrender of one original Bill of Lading, or in the case of a Sea Waybill, on production of such reasonable proof of identity as may be required by the Carrier, or in accordance with the national law at the Port of Discharge or Place of Delivery as applicable. IN WITNESS WHEREOF the Carrier or their Agent has signed the number of Bills of Lading stated at the top, all of this tenor and date, and whenever one original Bill of Lading has been surrendered all other Bills of Lading shall be void.
OCEAN VESSEL VOYAGE NO. FLAG SANTA VIOLA 032W	PORT OF LOADING HAMBURG	FINAL DESTINATION(for the Merchant's reference only) VERACRUZ	
PORT OF DISCHARGE VERACRUZ	PLACE OF DELIVERY VERACRUZ	TYPE OF MOVEMENT(IF MIXED, USE DESCRIPTION OF PACKAGES AND GOODS FIELD) FCL / FCL CY / CY	

(CHECK "HM" COLUMN IF HAZARDOUS MATERIAL)		PARTICULARS DECLARED BY SHIPPER BUT NOT ACKNOWLEDGED BY THE CARRIER			
CNTR. NOS. W/SEAL NOS. MARKS & NUMBERS	QUANTITY (FOR CUSTOMS DECLARATION ONLY)	H M	DESCRIPTION OF GOODS	GROSS WEIGHT	GROSS MEASUREMENT
KKFU7931301 / WWA030053597			/ 55 PACKAGES /FCL / FCL/40HQ	25921.489KGS	55.631M3
HEIDELBERG MEXICO S DE RL DE CV INVOICE NO: 90225925	2 H PACKAGES		RUBBER SHEETS HS CODE:40082190	1791.000KGS	5.094CBM
EVONIK OPERATIONS GMBH 3009442796 REWOCOROS AL	1 PACKAGE		REWOCOROS AL 200 HS-CODE: 340239 IMO: 8, UN 3265 GROSS WEIGHT: 834,4 KG	834.400KGS	1.451CBM

** TO BE CONTINUED ON ATTACHED LIST **

Declared Cargo Value US \$. If Merchant enters a value, Carrier's limitation of liability shall not apply and the ad valorem rate will be charged.

FREIGHT & CHARGES PAYABLE AT / BY: HAMBURG, HH MEXICO CITY			SERVICE CONTRACT NO. THAMN00236A	DOC FORM NO.	COMMODITY CODE	EXCHANGE RATE	[0] ORIGINAL BILLS(S) HAVE BEEN SIGNED.
CODE	TARIFF ITEM	FREIGHTED AS	RATE	PREPAID	COLLECT		DATE CARGO RECEIVED
							DATE LADEN ON BOARD 30 MAY 2023
							PLACE OF BILL(S) ISSUE HAMBURG
							DATED 30 MAY 2023
The printed terms and conditions on this Bill are available at its website at www.one-line.com				SIGNED BY: OCEAN NETWORK EXPRESS (EUROPE) LTD. GERMANY BRANCH		as agent for and on behalf of	

Thorsten Bratthar



Ocean Network Express Pte. Ltd.
(ONE), AS CARRIER

ORIGINAL NON NEGOTIABLE

VESSEL VOYAGE: SANTA VIOLA 032W

B/L NO.: ONEYHAMD31399400

CNTR NOS. W/SEAL NOS. MARKS & NUMBERS	QUANTITY (FOR CUSTOMS DECLARATION ONLY)	H M	DESCRIPTION OF GOODS	GROSS WEIGHT	MEASUREMENT
200 46333199 MADE IN %COUNTRYOFORIGIN VERACRUZ MEXICO			NET WEIGHT: 800 KG 4 DRUMS		
ALTECH PROCESS& CONTROLS DE MEXICO S DE RL DE CV BUENOS AIRES NO. 7314 IGNACIO ROMERO VARGAS PUEBLA, 72120 MEXICO INV.: 562578 + 563139 + 563752	2 PACKAGES		ELECTRICAL PARTS HS-CODE: 391740, 741220	392.000KGS	2.515CBM
SEITZ - COMERCIAL IZADORA	7 PACKAGES		CHEMICALS HS CODE: 27101221, 34025090, 38099100, 38140090, 39051200 UN3265 - CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (N-(2HYDROXYETHYL)-N,N-DIM ETHYLALKYL-C1 2-14 (GERADZAHLLIG)-1-AMMONI UMCHLORID) CLASS 8, PG III, LIMITED QUANTITY, SEGREGATION GROUP 1 UN3082 - ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FATTY ALCOHOL POLYETHOXYLATED) CLASS 9, PG III . UN1993 - FLAMMABLE LIQUID, N.O.S. (BUTYLACETATES, HYDRO CARBONS, C9, AROMATICS) CLASS 3, PG III, LIMITED QUANTITY UN1993 - FLAMMABLE LIQUID, N.O.S. (BUTYLACETATES, CYCLOHEXANON) CLASS 3, PG III, LIMITED QUANTITY	4607.240KGS	8.064CBM
JSP INTERNATIONAL DE MEXICO SA DE C TOLUCA, MX	1 PACKAGE		INJECTORS JPP16-42/350G/3 HS: 84242000	445.000KGS	0.832CBM

SIGNED BY: OCEAN NETWORK EXPRESS (EUROPE) LTD. GERMANY
BRANCH

, as agent for and on behalf of

*Thorsten Heuther*Ocean Network Express Pte. Ltd.
(ONE), AS CARRIER

ORIGINAL NON NEGOTIABLE

VESSEL VOYAGE: SANTA VIOLA 032W

B/L NO.: ONEYHAMD31399400

CNTR NOS. W/SEAL NOS. MARKS & NUMBERS	QUANTITY (FOR CUSTOMS DECLARATION ONLY)	H M	DESCRIPTION OF GOODS	GROSS WEIGHT	MEASUREMENT
CONSIGNEE: CYPLUS IDESA S.A.P.I. DE C.V. BOSQUE DE RADIATAS 34 BOSQUES DE LAS LOMAS DISTRITO FEDERAL 05120 CUAJIMALPA DE MORELOS MEXICO	1 PACKAGE		SPECIAL TOOLS FOR MAINTENANCE AND REPAIR HS-CODES:84149000+73181699 +73182200	197.000KGS	1.444CBM
EVONIK INDUSTRIES DE MEXICO S.A DE C.V 46313780 TEGO VARIPLUS SK MADE IN GERMANY MEXICO VERACRUZ	4 PACKAGES		TEGO VARIPLUS SK HS-CODE: 391190 160 BAGS	4032.000KGS	7.452CBM
23004364, 23005762, 23005764, 23005774, 23006003, 23006005, 23006016, 23006019, 23007059, 23007076, 23007310, 23007326, 23007334, 23007336 BEMAP INDUSTRIAL S.A. DE C.V. MANUEL ACUNA NO. 965 COL. JESUS MX-44200 GUADALAJARA, JALISCO	14 PACKAGES		PACKED ON 14 PALLETS METALBAND SAW BLADES HS CODE: 82022000	4426.000KGS	6.900CBM
EISSMANN AUTOMOTIVE MEXICO INV 3756508	3 PACKAGES		LINEAR DAMPER HS-CODE: 392690	263.000KGS	2.880CBM
EISSMANN AUTOMOTIVE QUERETARO, S. DE	1 PACKAGE		SPRING W/RUBBER SL. HS-CODE: 732020 **HSCODE: 732020**	305.000KGS	0.787CBM

SIGNED BY: OCEAN NETWORK EXPRESS (EUROPE) LTD. GERMANY
BRANCH

, as agent for and on behalf of

*Thorsten Hedder*Ocean Network Express Pte. Ltd.
(ONE), AS CARRIER

ORIGINAL NON NEGOTIABLE

VESSEL VOYAGE: SANTA VIOLA 032W

B/L NO.: ONEYHAMD31399400

CNTR NOS. W/SEAL NOS. MARKS & NUMBERS	QUANTITY (FOR CUSTOMS DECLARATION ONLY)	H M	DESCRIPTION OF GOODS	GROSS WEIGHT	MEASUREMENT
R.L. DE C.V. INV 209903					
EISSMANN MEXICO INV 63279	1 PACKAGE		METAL GRID HS-CODE: 852990	130.000KGS	1.344CBM
EISSMANN MEXICO INV 0069696/NP	1 PACKAGE		PROP FOR GLOVEBOX HS CODE: 392630 **HSCODE: 392630**	99.000KGS	0.605CBM
EISSMANN MEXICO INV: 230008261	1 PACKAGE		BUFFER HS CODE: 401693	5.300KGS	0.028CBM
EISSMANN AUTOMOTIVE QUERETARO, S. DE R.L. DE C.V. INV 727368	2 PACKAGES		MOLDED RUBBER PARTS HS-CODE: 401699 **HSCODE: 401699**	18.600KGS	0.072CBM
LABORATORIOS LIOMONT S.A. DE C.V. MEX - 05000 CUAJIMALPA CENTRO 1/2 - 2/2 MADE IN GERMANY	2 PACKAGES		SUGAR BASED PRODUCTS HS CODE: 1704 9061 PEDIDO: 0073811	1070.000KGS	2.707CBM
DISENO Y FABRICACION, SANTIAGO	5 PACKAGES		BUILDING MATERIAL PVC PROFILES, ALU PROFILES HS: 76042100, 76042990, 83024150, 36169010, 39162000, 83024110, 83022000, 83024190, 63049300, 40082900, 39211390, 40161000, 40169300, 73181410, 39259010, 39269097, 70196600	1898.949KGS	8.213CBM
2503521 (2001313837)	1 PACKAGE		5 STEEL DRUMS UN 3272, ESTERS, N.O.S. (TRIMETHYL ORTHOFORMATE) CLASS 3, PG II, FLP +13DGR.C HS-CODE: 29159070 UN 3272/CLASS 3/PG II IMO GROSS WEIGHT: 310,000 KGS IMO NET WEIGHT : 278,390	310.000KGS	0.912CBM

SIGNED OCEAN NETWORK EXPRESS (EUROPE) LTD. GERMANY
BY: BRANCH

, as agent for and on behalf of



Ocean Network Express Pte. Ltd.
(ONE), AS CARRIER

ORIGINAL NON NEGOTIABLE

VESSEL VOYAGE: SANTA VIOLA 032W

B/L NO.: ONEYHAMD31399400

CNTR NOS. W/SEAL NOS. MARKS & NUMBERS	QUANTITY (FOR CUSTOMS DECLARATION ONLY)	H M	DESCRIPTION OF GOODS	GROSS WEIGHT	MEASUREMENT
			KGS		
AUTOMOTIVE CARRIER AND PROTECTION SYSTEMS MEXICO S.A. DE C.V INV.: 482305	1 PACKAGE		GASKETS HS-CODE: 401693	35.000KGS	0.384CBM
AUTOMOTIVE CARRIER AND PROTECTION SYSTEMS MEXICO S.A. DE C.V DEL.: SG2023/00443, SG2023/00453, SG2023/00454	3 PACKAGES		AUTOMOTIVE SPARE PARTS HS CODE: 870899	3615.000KGS	2.286CBM
TUNKERS MEXICO 315104,0725	2 PACKAGES		MACHINERY PARTS INV: 80269324, 80269358, 80269457 HS-CODE: 847990, 853710 SH>GERMANY / DE118597456 CN>DF PH: 514-69 15 FX: 208-79-8 NP>DF PH: 514-69 15 FX: 208-79-8	1447.000KGS	1.661CBM
----- ALSO NOTIFY INTERTEAM, S.A. DE C.V. SERVIC. INTERNACION. DE COMERCIO COLIMA 114 DESPACHO 201 COLONIA ROMA, C.P.06700, MEXICO DF PH: 514-69 15 FX: 208-79-8 OCEAN FREIGHT PREPAID SHIPPED ON BOARD SHIPPER'S LOAD, STOW AND COUNT INLAND TRANSPORTATION IN MEXICO IS CARRIED OUT ACCORDING TO LOCAL REGULATIONS. THE INFORMATION IN THE MASTER BILL OF LADING CAN BE AMENDED SUBJECT TO CUSTOMS REVIEW AND PENALIZATION IF THE BILL OF LADING IS ALLOWED TO AMEND, THE REQUESTER OF THE AMENDMENT SHALL BE RESPONSIBLE FOR SUCH CUSTOMS PENALTY AND INDEMNIFY THE CARRIE AND ITS AGENTS AGAINST ANY CONSEQUENCES WHATSOEVER IN RELATION TO SUCH AMENDMENT. VER267319 VER267349 VER267357 VER267378 VER267382 VER267405 VER267418					

SIGNED OCEAN NETWORK EXPRESS (EUROPE) LTD. GERMANY
BY: BRANCH

, as agent for and on behalf of



Ocean Network Express Pte. Ltd.
(ONE), AS CARRIER

ORIGINAL NON NEGOTIABLE

VESSEL VOYAGE: SANTA VIOLA 032W

B/L NO.: ONEYHAMD31399400

CNTR NOS. W/SEAL NOS. MARKS & NUMBERS	QUANTITY (FOR CUSTOMS DECLARATION ONLY)	H M	DESCRIPTION OF GOODS	GROSS WEIGHT	MEASUREMENT
VER267429					
VER267431					
VER267431					
VER267431					
VER267431					
VER267431					
VER267431					
VER267448					
VER267450					
VER267456					
VER267459					
VER267459					
VER267471					
AGENT AT DESTINATION: "ONE OCEAN NETWORK EXPRESS SHIPPING MEXICO, S.A. DE C.V. CIUDAD DE MEXICO PASEO DE LA REFORMA 180, PISO 19, COLONIA JUAREZ, DEL. CUAUHTEMOC, CIUDAD DE MEXICO, C.P. 06600 TEL: 5547808200					

SIGNED OCEAN NETWORK EXPRESS (EUROPE) LTD. GERMANY
BY: BRANCH

, as agent for and on behalf of

Ocean Network Express Pte. Ltd.
(ONE), AS CARRIER

Manifest

Page: 1

Container-No.: KKFU7931301 40' HIGH CUBE CONTAINER Seal-No.: WWA030053597
Vessel: SAC8508 / SANTA VIOLA
ETS:
Master-B/L.: ONEYHAMD31399400

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
VER267319	HEIDELBERG MEXICO S DE RL DE CV INVOICE NO: 90225925	2	PACKAGES	RUBBER SHEETS HS CODE:40082190	1791.000	5.094
VER267349	EVONIK OPERATIONS GMBH 3009442796 REWOCOROS AL 200 46333199 MADE IN %COUNTYOFORIGI VERACRUZ MEXICO	1	PALLET	REWOCOROS AL 200 HS-CODE: 340239 IMO: 8, UN 3265 GROSS WEIGHT: 834,4 KG NET WEIGHT: 800 KG 4 DRUMS	834.400	1.451
VER267357	ALTECH PROCESS& CONTROLS DE MEXICO S DE RL DE CV BUENOS AIRES NO. 7314 IGNACIO ROMERO VARGAS PUEBLA, 72120 MEXICO INV.: 562578 + 563139 + 563752	2	PALLETS)	ELECTRICAL PARTS HS-CODE: 391740, 741220	392.000	2.515

Manifest

Page: 2

Container-No.: KKFU7931301 40' HIGH CUBE CONTAINER Seal-No.: WWA030053597
Vessel: SAC8508 / SANTA VIOLA
ETS:
Master-B/L.: ONEYHAMD31399400

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
VER267378	SEITZ - COMERCIAL IZADORA	7	PALLETS	CHEMICALS HS CODE: 27101221, 34025090, 38099100, 38140090, 39051200 UN3265 - CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (N-(2HYDROXYETHYL) 2-14(GERADZAHBIG)-1 CLASS 8, PG III, LIMITED QUANTITY, SEGREGATION GROUP 1 UN3082 - ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FATTY ALCOHOL POLYETHOXYLATED) CLASS 9, PG III UN1993 - FLAMMABLE LIQUID, N.O.S. (BUTYLACETATES, HYDRO CARBONS, C9, AROMATICS) CLASS 3, PG III, LIMITED QUANTITY UN1993 - FLAMMABLE LIQUID, N.O.S. (BUTYLACETATES, CYCLOHEXANON) CLASS 3, PG III, LIMITED QUANTITY	4607.240	8.064

Manifest

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Container-No.: KKFU7931301 40' HIGH CUBE CONTAINER Seal-No.: WWA030053597
Vessel: SAC8508 / SANTA VIOLA
ETS:
Master-B/L.: ONEYHAMD31399400

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
VER267382	JSP INTERNATIONAL DE MEXICO SA DE C TOLUCA, MX	1	PACKAGE	INJECTORS JPP16-42/350G/3 HS: 84242000	445.000	0.832
VER267405	CONSIGNEE: CYPLUS IDESA S.A.P.I. DE C.V. BOSQUE DE RADIATAS 34 BOSQUES DE LAS LOMAS DISTRITO FEDERAL 05120 CUAJIMALPA DE MORELOS MEXICO	1	CASE	SPECIAL TOOLS FOR MAINTENANCE AND REPAIR HS-CODES:84149000+	197.000	1.444
VER267418	EVONIK INDUSTRIES DE MEXICO S.A DE C.V 46313780 TEGO VARIPLUS SK MADE IN GERMANY MEXICO VERACRUZ	4	PALLETS	TEGO VARIPLUS SK HS-CODE: 391190 160 BAGS	4117.600	7.452

Manifest

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Container-No.: KKFU7931301 40' HIGH CUBE CONTAINER Seal-No.: WWA030053597
Vessel: SAC8508 / SANTA VIOLA
ETS:
Master-B/L.: ONEYHAMD31399400

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
VER267429	23004364, 23005762, 23005764, 23005774, 23006003, 23006005, 23006016, 23006019, 23007059, 23007076, 23007310, 23007326, 23007334, 23007336 BEMAP INDUSTRIAL S.A. DE C.V. MANUEL ACUNA NO. 965 COL. JESUS MX-44200 GUADALAJARA, JALISCO	14	CARTONS	PACKED ON 14 PALLETS METALBAND SAW BLADES HS CODE: 82022000	4426.000	6.900
VER267431	EISSMANN AUTOMOTIVE QUERETARO, S. DE R.L. DE C.V. INV 727368	2	PACKAGES	MOLDED RUBBER PARTS HS-CODE: 401699 **HSCODE: 401699**	18.600	0.072
VER267431	EISSMANN MEXICO INV: 230008261	1	PACKAGE	BUFFER HS CODE: 401693	5.300	0.028
VER267431	EISSMANN MEXICO INV 0069696/NP	1	PACKAGE	PROP FOR GLOVEBOX HS CODE: 392630 **HSCODE: 392630**	99.000	0.605
VER267431	EISSMANN MEXICO INV 63279	1	PACKAGE	METAL GRID HS-CODE: 852990	130.000	1.344

Manifest

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Container-No.: KKFU7931301 40' HIGH CUBE CONTAINER Seal-No.: WWA030053597
Vessel: SAC8508 / SANTA VIOLA
ETS:
Master-B/L.: ONEYHAMD31399400

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
VER267431	EISSMANN AUTOMOTIVE QUERETARO, S. DE R.L. DE C.V. INV 209903	1	PACKAGE	SPRING W/RUBBER SL. HS-CODE: 732020 **HSCODE: 732020**	305.000	0.787
VER267431	EISSMANN AUTOMOTIVE MEXICO INV 3756508	3	PACKAGES	LINEAR DAMPER HS-CODE: 392690	263.000	2.880
VER267448	LABORATORIOS LIOMONT S.A. DE C.V. MEX - 05000 CUAJIMALPA CENTRO 1/2 - 2/2 MADE IN GERMANY	2	PALETTEN	SUGAR BASED PRODUCTS HS CODE: 1704 9061 PEDIDO: 0073811	1070.000	2.707
VER267450	DISENO Y FABRICACION, SANTIAGO	5	PACKAGES	BUILDING MATERIAL PVC PROFILES, ALU PROFILES HS: 76042100, 76042990, 83024150, 36169010, 39162000, 83024110, 83022000, 83024190, 63049300, 40082900, 39211390, 40161000, 40169300, 73181410, 39259010, 39269097, 70196600	1898.949	8.213

Manifest

Page: 6

Container-No.: KKFU7931301 40' HIGH CUBE CONTAINER Seal-No.: WWA030053597
Vessel: SAC8508 / SANTA VIOLA
ETS:
Master-B/L.: ONEYHAMD31399400

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
VER267456	2503521 (2001313837)	1	PALLET	5 STEEL DRUMS UN 3272, ESTERS, N.O.S. (TRIMETHYL ORTHOFORMATE) CLASS 3, PG II, FLP +13DGR.C HS-CODE: 29159070 UN 3272/CLASS 3/PG II IMO GROSS WEIGHT: 310,000 KGS IMO NET WEIGHT : 278,390 KGS	310.000	0.912
VER267459	AUTOMOTIVE CARRIER AND PROTECTION SYSTEMS MEXICO S.A. DE C.V DEL.: SG2023/00443, SG2023/00453, SG2023/00454	3	PALLETS	AUTOMOTIVE SPARE PARTS HS CODE: 870899	3615.000	2.286
VER267459	AUTOMOTIVE CARRIER AND PROTECTION SYSTEMS MEXICO S.A. DE C.V INV.: 482305	1	PACKAGE	GASKETS HS-CODE: 401693	35.000	0.384
VER267471	TUNKERS MEXICO 315104,0725	2	PACKAGES	MACHINERY PARTS INV: 80269324, 80269358, 80269457 HS-CODE: 847990, 853710	1447.000	1.661

Total**Quantity
55****Grossweight
26.007.089****Measurement
55.631**

Shipper
CEVA FREIGHT GERMANY GMBH
MUSEUMSTRASSE 4
28195 BREMEN / GERMANY
UST-ID-NO. DE 111 622 030
AS AGENT OF PYRAMID LINES SG

Consigned to order of
CEVA FREIGHT MANAGEMENT MEXICO SA
DE CV AV BLVD. MANUEL AVILA
CAMACHO 126 PISO 5, LOMAS DE
CIUDAD DE MEXICO MEX 11000
MEXICO
AS AGENT OF PYRAMID LINES SG
TAX ID:DE 811 228 382

Notify Party and address
CEVA FREIGHT MANAGEMENT MEXICO SA
DE CV AV BLVD. MANUEL AVILA
CAMACHO 126 PISO 5, LOMAS DE
CIUDAD DE MEXICO MEX 11000
MEXICO
AS AGENT OF PYRAMID LINES SG

	Place of receipt BREMEN CFS
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Ocean vessel SANTA VIOLA	Port of loading HAMBURG
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Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS	Freight payable VERACRUZ	Number of original Bills of Lading 0/ZERO
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Marks and Nos. HEIDELBERG MEXICO S DE RL DE CV	Quantity of Goods 2 PACKAGES	Description of Goods RUBBER SHEETS HS CODE:40082190	Said to contain	Gross weight, kg. 1791,000	Measurement, m ³ 5,094
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INVOICE NO:
90225925
STOWED INTO CONTAINER NO.: KKFU7931301

B/L No.
VER267319

FMC Organization No. 025875



General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

ALL COSTS, CHARGES,
LIABILITIES AND DELAYS
RESULTING FROM EMERGENCY
QUARANTINE FOR WOOD AND
WOODEN PACKAGING OR FROM
INSUFFICIENT OR IMPROPER
LABELLING OF NON WOODEN
PACKAGING ARE FOR
CUSTOMER'S ACCOUNT

3/05/BRE/528101

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TOTAL	2 PACKAGES	1791,000 KGS	5,094 CBM
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FREIGHT COLLECT - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA,C.P.06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

The Carrier in accordance with the provisions contained on this side and on the reverse side of this document;

- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
- assumes liability as prescribed in this document for such transport.

One of the Bills of Lading to be surrendered duly endorsed in exchange for the Goods or delivery order.

IN WITNESS whereof three (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue
BREMEN 30.05.2023

Signed for the Carrier

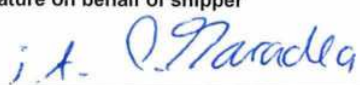


SACO Shipping GmbH

as agent of carrier SACO SHIPPING LINE LIMITED

TRANSPORT DOCUMENT FOR DANGEROUS GOODS (IMO-DANGEROUS GOODS DECLARATION)

This form meets the requirements of SOLAS 74, chapter VII regulation 4; MARPOL 73/78, Annex III, regulation 4 and the IMDG-CODE, Chapter 5.4

Shipper (Name & Address) Evonik Operations GmbH Werk Steinau Max Wolf Strasse 7 36396 STEINAU AN DER STRASSE GERMANY 		Reference number(s) 4005685436 VER267349
Consignee LESCHACO MEXICANA S.A. DE C. V. PASEO DE LA NIÑA 150 TORRE 1519 PISO 12-01 94298 FRACC. LAS AMERICAS, BOCA DEL RIO, VER	Carrier	
CONTAINER PACKING CERTIFICATE / VEHICLE DECLARATION DECLARATION ☐ not applicable It is declared that the packing of the goods into the cargo transport unit has been carried out in accordance with the provisions of 5.4.2.1. TO BE COMPLETED FOR SHIPMENTS IN CONTAINERS OR VEHICLES		Container-/Vehicle-No. Seal-No. Name/status, company/organization of signatory Place and date Steinau an der Strasse, Apr 26, 2023 Signature on behalf of packer (Reserved for text, instructions or other matter)
Ship's name and voyage no. Port of loading		(Reserved for text, instructions or other matter)
Port of discharge		
Goods delivered as: ☐ Breakbulk cargo ☐ Unit loads ☐ Bulk packages Type of unit (container, trailer, tank, vehicle, etc.) ☐ Open ☐ Closed		Insert "X" in appropriate box (This column may be left empty apart from the heading, in which case insert appropriate description)
Goods:		
Item: 000001 Delivery: 3009442796 IMDG (Sea): UN 3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (fatty alcohol polyethoxi phosphoric acid ester), 8, II, flashpoint: 150 °C c.c., MARINE POLLUTANT, EmS-no.: F-A, EmS-no.: S-B Stowage category A - Clear of living quarters - Seg.Grp.: Acid 4 Plastic Drum:Polyethylene:1H1: Gross: 834.4 KG Net: 800 KG		
ADDITIONAL INFORMATION EMERGENCY CONTACT (24-HOUR-NUMBER): +49 2365 49 2232		
DECLARATION I hereby declare that the contents of this consignment are fully and accurately described by the Proper Shipping Name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations.		Name/status, company/organization of signatory Shipping Manager CHIARA MARADEA Evonik Operations GmbH Werk Steinau Place and date Steinau an der Strasse, Apr 26, 2023 /CM Signature on behalf of shipper 

SAFETY DATA SHEET

1. Identification

Product identifier: REWOCOROS AL 200

Chemical name: Ethoxylated fatty alcohol phosphoric acid ester

Other means of identification

Recommended use: Industrial use

Recommended restrictions: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Operations GmbH
Rellinghauser Str. 1-11
45128 Essen
Germany

Telephone : +49 201 173 01

Fax : +49 201 173 3000

E-mail : productsafety-cs@evonik.com

Emergency telephone number:

24-Hour Health : +49 2365 49 2232
Emergency : +49 2365 49 4423 (Fax)

2. Hazard(s) identification

Classification according to GHS

Health Hazards

Acute toxicity (Oral)	Category 5
Skin Corrosion/Irritation	Category 1B
Serious Eye Damage/Eye Irritation	Category 1

Environmental Hazards

Acute hazards to the aquatic environment	Category 1
--	------------

Label Elements

Hazard Symbol:



Signal Word: Danger

Hazard Statement: May be harmful if swallowed.
Causes severe skin burns and eye damage.
Very toxic to aquatic life.

Precautionary Statements

Prevention: Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse. Specific treatment (see supplemental first aid instructions on this label). IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Collect spillage.

Storage: Store locked up.

Disposal: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards: None known.

3. Composition/information on ingredients

Chemical name:

Ethoxylated fatty alcohol phosphoric acid ester

Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C12-14-alkyl ethers, phosphates	No data available.	68511-37-5	>60%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Description of necessary first-aid measures

General information:	Remove soiled or soaked clothing immediately
Inhalation:	fresh air supply, consult a doctor if feeling unwell.
Skin Contact:	In case of contact with skin wash off immediately with plenty of water Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds
Eye contact:	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice
Ingestion:	drink large quantities of water, do not induce vomiting; consult a physician - show this data sheet.
Personal Protection for First-aid Responders:	No data available.

Most important symptoms and effects, both acute and delayed

Symptoms:	The following symptoms may occur: - gastrointestinal complaints
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	When swallowed, stomach should be pumped out under addition of Dimeticon (anti-foam agent).
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5. Fire-fighting measures

General Fire Hazards:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
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Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	foam, carbon dioxide, dry powder, water spray.
Unsuitable extinguishing media:	High volume water jet.

Special hazards arising from the substance or mixture: In the event of fire the following can be released: - carbon dioxide, carbon monoxide Under certain conditions of combustion traces of other toxic substances cannot be excluded

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No specific precautions.

Special protective equipment for fire-fighters: Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus and wear protective suit

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. High risk of slipping due to leakage/spillage of product

Methods and material for containment and cleaning up: Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.

Environmental Precautions: Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation): No data available.

Safe handling advice: Provide good ventilation of working area (local exhaust ventilation if necessary). Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Keep container tightly closed in a cool, well-ventilated place. Do not store together with alkalis (lyes).

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Observe national threshold limit values.

Biological Limit Values

Observe national threshold limit values.

Appropriate Engineering Controls

No data available.

Individual protection measures, such as personal protective equipment
General information: No data available.

Eye/face protection: goggles

Skin Protection
Hand Protection: Additional Information: PVC gloves

Other: protective clothing

Respiratory Protection: in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2

Hygiene measures: Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke. Remove soiled or soaked clothing immediately.

9. Physical and chemical properties
Information on basic physical and chemical properties
Appearance
Physical state: liquid

Form: liquid

Color: Yellow

Odor: Characteristic

Odor Threshold: not measured

Freezing point: Approximate 59 °F/15 °C

Boiling Point: not measured

Flammability: not measured

Upper/lower limit on flammability or explosive limits
Explosive limit - upper: not measured

Explosive limit - lower: not measured

Flash Point: > 302 °F/> 150 °C (DIN EN 22719)

Self Ignition Temperature: > 572 °F/> 300 °C

Decomposition Temperature: not measured

pH: 1 - 3 (100 g/l, 68 °F/20 °C) in Water

Viscosity
Dynamic viscosity: not measured

Kinematic viscosity: not measured

Flow Time: No data available.

Solubility(ies)
Solubility in Water: (68 °F/20 °C) Dispersible

Solubility (other): Mineral oil: 200 g/l (68 °F/20 °C)

Partition coefficient (n-octanol/water):	not measured
Vapor pressure:	not measured
Relative density:	not measured
Density:	Approximate 1,01 g/cm ³ (68 °F/20 °C) (DGF-C-IV-2)
Bulk density:	No data available.
Relative vapor density:	not measured

Particle characteristics

Particle Size:	No data available.
Particle Size Distribution:	No data available.
Specific surface area:	No data available.
Surface charge/Zeta potential:	No data available.
Shape:	No data available.
Crystallinity:	No data available.
Surface treatment:	No data available.

Other information

Explosive properties:	not measured
Oxidizing properties:	not oxidizing
Minimum ignition temperature:	not measured
Metal Corrosion:	Not corrosive to metals

10. Stability and reactivity

Reactivity:	see section "Possibility of hazardous reactions".
Chemical Stability:	The product is stable under normal conditions.
Possibility of hazardous reactions:	No hazardous reactions with proper storage and handling
Conditions to avoid:	None with proper storage and handling.
Incompatible Materials:	alkalines
Hazardous Decomposition Products:	None with proper storage and handling.

11. Toxicological information

Information on toxicological effects

Information on likely routes of exposure

Inhalation:	Information on effects are given below.
Skin Contact:	Information on effects are given below.
Eye contact:	Information on effects are given below.

Ingestion: Information on effects are given below.

Acute toxicity (list all possible routes of exposure)

Oral

Product: LD 50 (Rat): > 2.000 mg/kg (OECD 401)

Components:
 Poly(oxy-1,2-ethanediyl), LD 50 (Rat): > 2.000 mg/kg
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

Dermal

Product: No data available.

Components:
 Poly(oxy-1,2-ethanediyl), No data due to skin-corrosive action
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

Inhalation

Product: No data available.

Components:
 Poly(oxy-1,2-ethanediyl), Vapour, No data due to skin-corrosive action Dusts, mists and fumes, No
 a-hydro-w-hydroxy-, data due to skin-corrosive action
 mono-C12-14-alkyl
 ethers, phosphates

Repeated dose toxicity

Product: No data available.

Components:
 Poly(oxy-1,2-ethanediyl), No data available.
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

Skin Corrosion/Irritation

Corrosive.

Product: OECD 404 (Rabbit): Corrosive.;

Components:
 Poly(oxy-1,2-ethanediyl), Corrosive. , > 3,01 min - < 1 h
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

Serious Eye Damage/Eye Irritation

Risk of serious damage to eyes.

Product: OECD 405 (Rabbit): Risk of serious damage to eyes.;

Components:

Poly(oxy-1,2-ethanediyl),
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

Risk of serious damage to eyes.

Respiratory or Skin Sensitization

Product: No data available.

Components:
 Poly(oxy-1,2-ethanediyl), No data available.
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

Carcinogenicity

Product: No data available.

Components:
 Poly(oxy-1,2-ethanediyl), No data available.
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

Germ Cell Mutagenicity

No data available.

In vitro

Product: No data available.

Components:
 Poly(oxy-1,2-ethanediyl), No data available.
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

In vivo

Product: No data available.

Components:
 Poly(oxy-1,2-ethanediyl), No data available.
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

Reproductive toxicity

Product: No data available.

Components:
 Poly(oxy-1,2-ethanediyl), No data available.
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

Poly(oxy-1,2-ethanediyl),
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

Poly(oxy-1,2-ethanediyl),
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

No data available.

Aspiration Hazard

Product: Not classified

Components:

Poly(oxy-1,2-ethanediyl),
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

Not classified

Information on health hazards

Other hazards

Product: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: LC 50 (Leuciscus idus, 96 h): 5,7 mg/l

Components:

Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C12-14-alkyl ethers, phosphates

LC 50 (Leuciscus idus (Golden orfe), 96 h): 5,7 mg/l

Aquatic Invertebrates

Product: EC 50 (Daphnia magna, 48 h): 0,33 mg/l

Components:

Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C12-14-alkyl ethers, phosphates

EC 50 (Daphnia magna, 48 h): 0,33 mg/l

Toxicity to Aquatic Plants

Product: No data available.

Components:

Poly(oxy-1,2-ethanediyl),
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

No data available.

Toxicity to microorganisms
Product: No data available.

Components:
 Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C12-14-alkyl ethers, phosphates
 No data available.

Chronic hazards to the aquatic environment:
Fish
Product: No data available.

Components:
 Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C12-14-alkyl ethers, phosphates
 No data available.

Aquatic Invertebrates
Product: No data available.

Components:
 Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C12-14-alkyl ethers, phosphates
 No data available.

Toxicity to Aquatic Plants
Product: No data available.

Components:
 Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C12-14-alkyl ethers, phosphates
 No data available.

Toxicity to microorganisms
Product: No data available.

Components:
 Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C12-14-alkyl ethers, phosphates
 No data available.

Persistence and Degradability
Biodegradation
Product: 73 % (28 d, OECD 301 E) The product is easily biodegradable.
 > 60 % (28 d, OECD 301 B) The product is easily biodegradable.

Components:
 Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, mono-C12-14-alkyl ethers, phosphates
 73 % (28 d, OECD 301 E) The product is easily biodegradable.

BOD/COD Ratio
Product: No data available.

Components:

Poly(oxy-1,2-ethanediyl), No data available.
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

Bioaccumulative potential**Bioconcentration Factor (BCF)**

Product: No data available.

Components:

Poly(oxy-1,2-ethanediyl), No data available.
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: not measured

Components:

Poly(oxy-1,2-ethanediyl), No data available.
 a-hydro-w-hydroxy-,
 mono-C12-14-alkyl
 ethers, phosphates

Mobility in soil:

Product No data available.

Components:

Poly(oxy-1,2-ethanediyl), a- No data available.
 hydro-w-hydroxy-, mono-
 C12-14-alkyl ethers,
 phosphates

Results of PBT and vPvB assessment:

Product No data available.

Components:

Poly(oxy-1,2-ethanediyl), a- No data available.
 hydro-w-hydroxy-, mono-
 C12-14-alkyl ethers,
 phosphates

Other adverse effects:**Other hazards**

Product: Do not allow to enter soil, waterways or waste water canal.

13. Disposal considerations

Disposal methods: In accordance with local authority regulations, take to special waste incineration plant

Contaminated Packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. Transport information

International Regulations

IATA-DGR

UN/ID No. : UN 3265
 Proper shipping name : Corrosive liquid, acidic, organic, n.o.s.
 (fatty alcohol polyethoxi phosphoric acid ester)
 Class : 8
 Packing group : II
 Labels : 8
 Packing instruction (cargo aircraft) : 855
 Packing instruction (passenger aircraft) : 851
 Environmentally hazardous : yes

IMDG-Code

UN number or ID number : UN 3265
 Proper shipping name : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
 (fatty alcohol polyethoxi phosphoric acid ester)
 Class : 8
 Packing group : II
 Labels : 8
 EmS Code : F-A, S-B
 Marine pollutant : yes
 Remarks : Stowage category A - Clear of living quarters - Seg.Grp.: Acid

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. Regulatory information

16. Other information, including date of preparation or last revision

Issue Date: 31.01.2022

Version #: 1.3

Further Information: No data available.

Revision Information: Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Disclaimer:

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Shipper
EVONIK OPERATIONS GMBH
GOLDSCHMIDTSTRASSE 100
45127 ESSEN
VAT# DE114138241

B/L No.
VER267349

FMC Organization No. 025875



SACO SHIPPING LINE LTD

Consigned to order of
LESCHACO MEXICANA SA DE CV.
BLVD. MANUEL AVILA CAMACHO
NO. 88 PISO 55
COL. LOMAS DE CHAPULTEPEC
CP.11000, CIUDAD DE MEXICO, MEXICO
RFC: LME980116R15

Notify Party and address
SAME AS CONSIGNEE
LUZMA.SANTELIS@EVONIK.COM

General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

ALL COSTS, CHARGES,
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LABELLING OF NON WOODEN
PACKAGING ARE FOR
CUSTOMER'S ACCOUNT

3/05/BRE/528102

Copy

		Place of receipt BREMEN CFS	
Ocean vessel SANTA VIOLA		Port of loading HAMBURG	
Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS		Freight payable BREMEN
		Number of original Bills of Lading 0/ZERO	
Marks and Nos. EVONIK OPERATIONS GMBH 3009442796 REWOCOROS AL 200 46333199 MADE IN %COUNTYOFORIGIN VERACRUZ MEXICO STOWED INTO CONTAINER NO.: KKFU7931301	Quantity of Goods 1 PALLET	Description of Goods REWOCOROS AL 200 HS-CODE: 340239 IMO: 8, UN 3265 GROSS WEIGHT: 834,4 KG NET WEIGHT: 800 KG 4 DRUMS	Said to contain Gross weight, kg. 834,400 Measurement, m ³ 1,451
TOTAL		1 PALLET	834,400 KGS 1,451 CBM

SEAL : WWA030053597

FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA, C.P. 06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

The Carrier in accordance with the provisions contained on this side and on the reverse side of this document;

- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
- assumes liability as prescribed in this document for such transport.

One of the Bills of Lading to be surrendered duly endorsed in exchange for the Goods or delivery order.

IN WITNESS whereof three (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue
BREMEN 30.05.2023

Signed for the Carrier



SACO Shipping GmbH

as agent of carrier SACO SHIPPING LINE LIMITED

Shipper
NGL NAVIGATOR GLOBAL LOGISTICS GMBH
FELIX-WANKEL-STRASSE 3
STUHR NI 28816 GERMANY
TAX ID:DE812773878

Consigned to order of
NGL NAVIGATOR GLOBAL LOGISTICS S. DE R.L
DE C.V.
CALZADA ZAVALA 1306-A, INT. 132
COLONIA SANTA CRUZ BUENAVISTA
PUEBLA PUE 72150 MEXICO
+522225036510
SEA@NGL-MEXICO.COM

Notify Party and address
SAME AS CONSIGNEE

B/L No.
VER267357

FMC Organization No. 025875



General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

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3/05/BRE/528103

Copy

		Place of receipt BREMEN CFS	
Ocean vessel SANTA VIOLA		Port of loading HAMBURG, GERMANY	
Port of discharge VERACRUZ, MEXICO	Place of delivery VERACRUZ CFS	Freight payable BREMEN	Number of original Bills of Lading 0/ZERO
Marks and Nos. ALTECH PROCESS& CONTROLS DE MEXICO S DE RL DE CV BUENOS AIRES NO. 7314 IGNACIO ROMERO VARGAS PUEBLA, 72120 MEXICO INV.: 562578 + 563139 + 563752 STOWED INTO CONTAINER NO.: KKFU7931301	Quantity of Goods 2 PALLETS)	Description of Goods ELECTRICAL PARTS HS-CODE: 391740, 741220	Said to contain Gross weight, kg. 392,000 Measurement, m ³ 2,515

SEAL : WWA030053597

TOTAL **2 PALLETS)** **392,000 KGS** **2,515 CBM**

FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA,C.P.06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

The Carrier in accordance with the provisions contained on this side and on the reverse side of this document;

- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
- assumes liability as prescribed in this document for such transport.

One of the Bills of Lading to be surrendered duly endorsed in exchange for the Goods or delivery order.

IN WITNESS whereof three (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue
BREMEN 30.05.2023

Signed for the Carrier



SACO Shipping GmbH

as agent of carrier SACO SHIPPING LINE LIMITED

BEFÖRDERUNGSDOKUMENT FÜR GEFÄHRLICHE GÜTER

nach §6 GGVSee (IMO-ERKLÄRUNG)

TRANSPORT DOCUMENT FOR DANGEROUS GOODS

(IMO-DANGEROUS GOODS DECLARATION)

Dieses Formular entspricht SOLAS 74, Kapitel VII Regel 4; MARPOL 73/78, Anlage III, Regel 4 und dem IMDG-Code, Kapitel 5.4
This form meets the requirements of SOLAS 74, chapter VII regulation 4; MARPOL 73/78, Annex III, regulation 4 and the IMDG-Code, Chapter 5.4

Versender (Name & Anschrift) Shipper (Name & Address) Seitz GmbH Gutenbergstraße 3 65830 Krißfel		Buchungsnummer(n) Reference number(s)	
Empfänger Consignee COMERCIALIZADORA SANVA S.A. DECV Avenida de las aguilas #1062 Colonia ampliación las aguilas 01710 Mexico City Mexico		Beförderer Carrier	
CONTAINER/FAHRZEUG-PACKZERTIFIKAT CONTAINER/VEHICLE PACKING CERTIFICATE ERKLÄRUNG Es wird erklärt, dass das Packen der gefährlichen Güter in die oder auf die Beförderungseinheit gem. den Bestimmungen nach 5.4.2.1 durchgeführt wurde. DECLARATION It is declared that the packing of the goods into the cargo transport unit has been carried out in accordance with the provisions of 5.4.2.1. AUSFÜLLEN FÜR SENDUNGEN IN CONTAINERN ODER FAHRZEUGEN TO BE COMPLETED FOR SHIPMENTS IN CONTAINERS OR VEHICLES		Container-/Fahrzeug-Nr.: Container-/Vehicle-Nr.:	
Name/Funktion, Unternehmen/Organisation des Unterzeichners Name/status, company/organization of signatory i.A. Peter Kamler, Packer, Seitz GmbH		Ort und Datum Place and date Krißfel, 04.05.23	
Unterschrift für den Packer Signature on behalf of packer		(Frei für Text, Anweisungen und sonstige Angaben) (Reserved for text, instructions or other matter)	
Schiffsname und Nummer der Reise Ship's name and voyage No.		Ladehafen Port of loading	
Löschhafen Port of discharge		Emergency Contact: + 49-6192-99 48 88 and/or www.seitz24.com/en/emergency-aid/	
UN-Nr. UN-No.	Inhalt (richtiger technischer Name) Proper Shipping Name (Correct technical name)	Klasse/Unterklasse nach IMO IMO-Class	Verpackungsgruppe Packing group
UN 3265	corrosive liquid, acidic, organic, n.o.s. (N-(2-Hydroxyethyl)-N,N-dimethylalkyl-C1 2-14-(geradzahlig)-1-ammoniumchlorid)	8	III
Markierung der Versandstücke Falls zutreffend, Identifikations-Nummer oder amtli. Kennzeichen Marks & Nos, if applicable, identification or registration number(s) of the Unit		Anzahl und Verp.-Art No. and kind of packages	
Seitz Order No. 527762 Burlanol		6 plastic bottle each 1 kg dangerous goods in limited quantities all packed together in one fibreboard box	
Bruttomenge (Volumen/Masse) Gross quantity (volume/mass) Nettomenge/Volumen/Masse - Net quantity/volume/mass Netto Explosivstoffmasse *** Net explosive mass ***		Merkblatt-Nr. für Unfall-Maßnahmen EmS No.	
gross 6.47 kgs net: 0 kgs		F-A, S-B	
Eigenschaften/Properties Flammpunkt/Flashpoint ** MARINE POLLUTANT ** Kontroll- und Notfalltemperatur ** Control- and emergency temperature **		segregation group 1	
Güter angeliefert als/Goods delivered as: ☐ Stückgut/Breakbulk cargo ☐ Ladungseinheiten (Unit Loads) ☐ Unitized cargo ☐ Bulkverpackungen/Bulk packages Art der Einheit (Container, Anhänger, Tank, Fahrzeug usw.) Type of unit (container, trailer, tank, vehicle etc.) ☐ offen/open ☐ geschlossen/closed		Zutreffendes ankreuzen/Insert "X" in appropriate box (Diese Spalte kann bis auf die Überschrift freigelassen werden; in diesem Fall ist die zutreffende Beschreibung einzusetzen.) (This column may be left empty apart from the heading, in which case insert appropriate description.)	
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BEFÖRDERUNGSDOKUMENT FÜR GEFÄHRLICHE GÜTER

nach §6 GGVSee (IMO-ERKLÄRUNG)

TRANSPORT DOCUMENT FOR DANGEROUS GOODS

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Unterschrift für den Packer Signature on behalf of packer		(Frei für Text, Anweisungen und sonstige Angaben) (Reserved for text, instructions or other matter)	
Schiffsname und Nummer der Reise Ship's name and voyage No.		Ladehafen Port of loading	
Löschhafen Port of discharge		Emergency Contact: +49-6192-99 48 88 and/or www.seitz24.com/en/emergency-aid/	
UN-Nr. UN-No.	Inhalt (richtiger technischer Name) Proper Shipping Name (Correct technical name)	Klasse/Unter- klasse nach IMO IMO-Class	Verpackungs- gruppe Packing group
UN 3082	environmentally hazardous substance, liquid, n.o.s. (Fatty alcohol polyethoxylated)	9	III
Markierung der Versandstücke Falls zutreffend, Identifikations-Nummer oder amt. Kennzeichen Marks & Nos, if applicable, identification or registration number(s) of the Unit Seitz Order No. 527762 Viva Blue		Anzahl und Verp.-Art No. and kind of packages 10 jerrican 3H1 each 20	
Bruttomenge (Volumen/Masse) Gross quantity (volume/mass) Nettomenge/Volumen/Masse - Net quantity/volume/mass Netto Explosivstoffmasse Net explosive mass		Merkblatt-Nr. für Unfall-Maßnahmen EmS No.	Eigenschaften/Properties Flammpunkt/Flashpoint MARINE POLLUTANT Kontroll- und Notfalltemperatur Control- and emergency temperature
gross 211.00 kgs net: 200 kgs		F-A,S-F	Marine pollutant
Güter angeliefert als/Goods delivered as: ☐ Stückgut/Breakbulk cargo ☐ Ladungseinheiten (Unit Loads) ☐ Unfilled cargo ☐ Bulkverpackungen/Bulk packages Art der Einheit (Container, Anhänger, Tank, Fahrzeug usw.) Type of unit (container, trailer, tank, vehicle etc.) ☐ offen/open ☐ geschlossen/closed		Zutreffendes ankreuzen/Insert "X" in appropriate box (Diese Spalte kann bis auf die Überschrift frei- gelassen werden; in diesem Fall ist die zutreffende Beschreibung einzusetzen.) (This column may be left empty apart from the head- ing, in which case insert appropriate description.)	
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Name/Funktion, Unternehmen/Organisation des Unterzeichners Name/status, company/organization of signatory i. A. Peter Kamler, Packer, Seitz GmbH		Ort und Datum Place and date Kriftel, 04.05.23	
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Löschhafen Port of discharge		Emergency Contact: +49-6192-99 48 88 and/or www.seitz24.com/en/emergency-aid/	
UN-Nr. UN-No.	Inhalt (richtiger technischer Name) Proper Shipping Name (Correct technical name)	Klasse/Unterklasse nach IMO IMO-Class	Verpackungsgruppe Packing group
UN 1993	flammable liquid, n.o.s. (butylacetates, hydro carbons, C9, aromatics)	3	III
UN 1993	flammable liquid, n.o.s. (butylacetates, Cyclohexanon)	3	III
UN 1993	flammable liquid, n.o.s. (butylacetates, hydro carbons, C9, aromatics)	3	III
UN 1993	flammable liquid, n.o.s. (butylacetates, hydro carbons, C9, aromatics)	3	III
UN 1993	flammable liquid, n.o.s. (butylacetates, hydro carbons, C9, aromatics)	3	III
Bruttomenge (Volumen/Masse) Gross quantity (volume/mass) Nettomenge/Volumen/Masse - Net quantity/volume/mass Netto Explosivstoffmasse *** Net explosive mass ***		Merkblatt-Nr. für Unfall-Maßnahmen EmS No.	Eigenschaften/Properties Flammpunkt/Flashpoint ** MARINE POLLUTANT ** Kontroll- und Notfalltemperatur ** Control- and emergency temperature **
gross 10.85 kgs net: 9.85 kgs gross 2.56 kgs net: 2.24112 kgs gross 2.37 kgs net: 2.0532 kgs gross 5.77 kgs net: 5.31 kgs gross 2.61 kgs net: 2.2852 kgs		F-E-S-E F-E-S-E F-E-S-E F-E-S-E F-E-S-E	Flashpoint: +32° C Flashpoint: +36° C Flashpoint: +30° C Flashpoint: +30° C Flashpoint: +32° C
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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.02.2022

Version number 4.00 (replaces version 3.00)

Revision: 09.02.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Burlanol
- **Article number:** 9026/4.00
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages** PW Widespread use by professional workers
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture**
Laundry
Levelling agent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SEITZ GmbH
Gutenbergstrasse 1 - 3
65830 Kriftel / Germany
Tel. + 49(0) 6192-9948-0
Fax + 49(0) 6192-9948-99
order@seitz24.com
www.seitz24.com
- **Further information obtainable from:** sds@seitz24.com
- **1.4 Emergency telephone number:** GIZ-Nord, Göttingen, Germany + 49 551 19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Skin Corr. 1C H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· 2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**
N-(2-hydroxyethyl)-N,N-dimethyl alkyl-C12-14-(even numbered)
-1-aminium chloride
- **Hazard statements**
H314 Causes severe skin burns and eye damage.

(Contd. on page 2)



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Trade name: Burlanol

(Contd. of page 1)

- H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
 - P260 Do not breathe mist/vapours/spray.
 - P280 Wear protective gloves / eye protection.
 - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P310 Immediately call a POISON CENTER/doctor.
 - **2.3 Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· **Dangerous components:**

CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-xxxx	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	< 15%
EC number: 931-275-3 Reg.nr.: 01-2119484688-17-xxxx	N-(2-hydroxyethyl)-N,N-dimethyl alkyl-C12-14-(even numbered) -1-aminium chloride STOT RE 2, H373; Skin Corr. 1C, H314; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302	< 10%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- **General information** Immediately remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of problems.
- **After skin contact**
Immediately rinse with water.
Seek medical treatment.
- **After eye contact**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
Causes severe skin burns and eye damage.

(Contd. on page 3)



The fresher company.

Page 3/11

Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: Burlanol

(Contd. of page 2)

- **4.3 Indication of any immediate medical attention and special treatment needed**
Symptomatic treatment

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents** No further relevant information available.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin and eyes.
Ensure adequate ventilation
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep away from heat and direct sunlight.
Avoid contact with eyes and skin.
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.

(Contd. on page 4)

EU



The fresher company.

Page 4/11

Safety data sheet

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Trade name: Burlanol

(Contd. of page 3)

Store in cool, dry conditions in well sealed receptacles.

Protect from frost.

· **Storage class** 8 B· **7.3 Specific end use(s)** Laundry

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:****CAS: 34590-94-8 (2-methoxymethylethoxy)propanol**

IOELV	Long-term value: 308 mg/m ³ , 50 ppm
	Skin

· **Regulatory information** IOELV: (EU) 2019/1831

· DNELs

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

Dermal	DNEL	283 mg/kg bw/day (worker (long term - systemic))
--------	------	--

Inhalative	DNEL	308 mg/m ³ (worker (long term - systemic))
------------	------	---

N-(2-hydroxyethyl)-N,N-dimethyl alkyl-C12-14-(even numbered)-1-aminium chloride

Dermal	DNEL	1.25 mg/kg (worker (long term - systemic))
--------	------	--

Inhalative	DNEL	2.2 mg/m ³ (worker (long term - systemic))
------------	------	---

· PNECs

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

PNEC	4,168 mg/l (STP (sewage treatment plant))
------	---

	1.9 mg/l (Marine water)
--	-------------------------

	190 mg/l (Intermittent releases)
--	----------------------------------

	19 mg/l (Freshwater)
--	----------------------

PNEC	2.74 mg/kg dw (Soil)
------	----------------------

	7.02 mg/kg dw (Sediment (marine water))
--	---

	70.2 mg/kg dw (Sediment (freshwater))
--	---------------------------------------

N-(2-hydroxyethyl)-N,N-dimethyl alkyl-C12-14-(even numbered)-1-aminium chloride

PNEC	0.61 mg/kg dw (Soil)
------	----------------------

	0.48 mg/kg dw (Sediment (marine water))
--	---

	4.8 mg/kg dw (Sediment (freshwater))
--	--------------------------------------

PNEC	16.7 mg/kg food (l)
------	---------------------

PNEC	190 µg/l (STP (sewage treatment plant))
------	---

	0.4 µg/l (Marine water)
--	-------------------------

	1.4 µg/l (Intermittent releases)
--	----------------------------------

	4 µg/l (Freshwater)
--	---------------------

· **Additional information:** The lists valid during the making were used as basis.

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· 8.2 Exposure controls**· Appropriate engineering controls** No further data; see item 7.**· Individual protection measures, such as personal protective equipment****· General protective and hygienic measures**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

· Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation (exceeding the workplace limit values, formation of aerosols).

Combination filter ABEK-P2

· Hand protection

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· Material of gloves

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm**· Eye/face protection** Tightly sealed goggles.**· Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties**· Physical state**

Fluid

· Colour:

Colourless

· Odour:

Product specific

· Odour threshold:

No further relevant information available.

· Melting point/freezing point:

undetermined

· Boiling point or initial boiling point and boiling range

undetermined

· Flammability

No further relevant information available.

· Lower and upper explosion limit**· Lower:**

No further relevant information available.

· Upper:

No further relevant information available.

· Flash point:

not applicable

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· Auto-ignition temperature:	No further relevant information available.
· Decomposition temperature:	No further relevant information available.
· pH (100 g/l) at 20 °C	~ 7.3
· Viscosity:	
· Kinematic viscosity	No further relevant information available.
· Solubility	
· Water:	Fully miscible
· Partition coefficient n-octanol/water (log value)	No further relevant information available.
· Vapour pressure:	No further relevant information available.
· Density and/or relative density	
· Density at 20 °C:	~ 0.99 g/cm ³ (ISO 2811)
· Relative density	No further relevant information available.
· Relative gas density	No further relevant information available.
· Particle characteristics	No further relevant information available.

9.2 Other information

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void
· Other safety characteristics	
· Form:	Liquid
· Explosive properties:	Product does not present an explosion hazard.
· Oxidising properties	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
Stable under normal ambient conditions.

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- No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** None if used as directed.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
 - Acids
 - Alkalis (lyes)
 - Strong oxidizing agents
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)

Oral	LD50	10,004 mg/kg (rat)
------	------	--------------------

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	9,510 mg/kg (rabbit)
Inhalative	LC50 (7h)	3.35 mg/l (rat)

N-(2-hydroxyethyl)-N,N-dimethyl alkyl-C12-14-(even numbered)-1-aminium chloride

Oral	LD50	1,000 mg/kg (rat) (OECD 401)
------	------	------------------------------

- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

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SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

EC50	> 969 mg/l (algae/aquatic plants) (96 h; Pseudokirchneriella subcapitata; OECD 201)
	1,919 mg/l (crustacean) (48 h; Daphnia; OECD 202)

LC50	> 1,000 mg/l (fish) (96 h; Poecilia reticulata; OECD 203)
------	---

N-(2-hydroxyethyl)-N,N-dimethyl alkyl-C12-14-(even numbered)-1-aminium chloride

EC50	0.19 mg/l (crustacean) (48 h; Daphnia magna; OECD 202)
------	--

LC50	4.2 mg/l (fish) (96 h; Danio rerio; OECD 203)
------	---

NOEC	0.16 mg/l (fish) (21 d; Danio rerio; OECD 210)
------	--

ErC50	0.14 mg/l (algae/aquatic plants) (72 h; Desmodesmus subspicatus; OECD 201)
-------	--

· 12.2 Persistence and degradability

No further relevant information available.

· 12.3 Bioaccumulative potential

No further relevant information available.

· 12.4 Mobility in soil

No further relevant information available.

· 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects

· Additional ecological information:

· General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

The product contains materials that are harmful to the environment.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

Disposal must be made according to official regulations.

· Waste disposal key:

The assignment of waste codes in accordance with European Waste Catalogue (EWC) is trade- and process-specific and has to be made in compliance with national and local regulations.

· Uncleaned packaging:

· Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

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Disposal must be made according to official regulations.

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SECTION 14: Transport information

· 14.1 UN number or ID number	
· ADR, IMDG, IATA	UN3265
· 14.2 UN proper shipping name	
· ADR	3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (N-(2-hydroxyethyl)-N,N-dimethyl alkyl-C12-14-(even numbered)-1-aminium chloride)
· IMDG, IATA	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (N-(2-hydroxyethyl)-N,N-dimethyl alkyl-C12-14-(even numbered)-1-aminium chloride)
· 14.3 Transport hazard class(es)	
· ADR	
	
· Class	8 (C3) Corrosive substances.
· Label	8
· IMDG, IATA	
	
· Class	8 Corrosive substances.
· Label	8
· 14.4 Packing group	
· ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Warning: Corrosive substances.
· Hazard identification number (Kemler code):	8
· EMS Number:	F-A,S-B
· Segregation groups	Acids
· Stowage Category	A
· Stowage Code	SW2 Clear of living quarters.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

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· Transport/Additional information:**· ADR****· Limited quantities (LQ)****· Excepted quantities (EQ)**

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000

ml

· Transport category

3

· Tunnel restriction code

E

· IMDG**· Limited quantities (LQ)****· Excepted quantities (EQ)**

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000

ml

· UN "Model Regulation":

UN 3265 CORROSIVE LIQUID, ACIDIC,
ORGANIC, N.O.S. (N-(2-HYDROXYETHYL)-N,N-
DIMETHYL ALKYL-C12-14-(EVEN NUMBERED)
-1-AMINIUM CHLORIDE), 8, III

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**· Directive 2012/18/EU****· Named dangerous substances - ANNEX I** None of the ingredients is listed.**· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)**

None of the ingredients is listed.

· LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients is listed.

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3**· Regulation (EU) No 649/2012**

None of the ingredients is listed.

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148**· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

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· Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.
· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.
· National regulations
· Other regulations, limitations and prohibitive regulations
· Substances of very high concern (SVHC) according to REACH, Article 57
None of the ingredients is listed.
· Other information: Product is for professional use only.
· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

- H302 Harmful if swallowed.

- H314 Causes severe skin burns and eye damage.

- H373 May cause damage to organs through prolonged or repeated exposure.

- H400 Very toxic to aquatic life.

- H411 Toxic to aquatic life with long lasting effects.

- **Classification according to Regulation (EC) No 1272/2008**

- Classification of mixtures based on ingredients of the mixture, applying calculation method of assessing health and environmental hazards

- **Version number of previous version: 3.00**

- **Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

- IMDG: International Maritime Code for Dangerous Goods

- IATA: International Air Transport Association

- GHS: Globally Harmonised System of Classification and Labelling of Chemicals

- EINECS: European Inventory of Existing Commercial Chemical Substances

- ELINCS: European List of Notified Chemical Substances

- CAS: Chemical Abstracts Service (division of the American Chemical Society)

- DNEL: Derived No-Effect Level (REACH)

- PNEC: Predicted No-Effect Concentration (REACH)

- LC50: Lethal concentration, 50 percent

- LD50: Lethal dose, 50 percent

- PBT: Persistent, Bioaccumulative and Toxic

- SVHC: Substances of Very High Concern

- vPvB: very Persistent and very Bioaccumulative

- Acute Tox. 4: Acute toxicity – Category 4

- Skin Corr. 1C: Skin corrosion/irritation – Category 1C

- Eye Dam. 1: Serious eye damage/eye irritation – Category 1

- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- *** Data compared to the previous version altered.**



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SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name: Viva Blue**
- **Article number:** 15710/4.00
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages** PW Widespread use by professional workers
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Application of the substance / the mixture**
Laundry
Detergent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SEITZ GmbH
Gutenbergstrasse 1 - 3
65830 Kriftel / Germany
Tel. + 49(0) 6192-9948-0
Fax + 49(0) 6192-9948-99
order@seitz24.com
www.seitz24.com
- **Further information obtainable from:** sds@seitz24.com
- **1.4 Emergency telephone number:** GIZ-Nord, Göttingen, Germany + 49 551 19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Eye Dam. 1 H318 Causes serious eye damage.
Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05 GHS09
- **Signal word** Danger
- **Hazard-determining components of labelling:**
Alcohols, C12-13- branched and linear, ethoxylated
alcohols, C10-12, ethoxylated propoxylated

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· Hazard statements

H318 Causes serious eye damage.
 H400 Very toxic to aquatic life.
 H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P273 Avoid release to the environment.
 P280 Wear protective gloves / eye protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.

· 2.3 Other hazards**· Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures**· Dangerous components:**

CAS: 160901-19-9 Polymer	Alcohols, C12-13- branched and linear, ethoxylated Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: $C \geq 10\%$ Eye Irrit. 2; H319: $1\% \leq C < 10\%$	25 – 50%
CAS: 143-22-6 EINECS: 205-592-6 Reg.nr.: 01-2119475107-38-xxxx	2-[2-(2-butoxyethoxy)ethoxy]ethanol Eye Dam. 1, H318 Specific concentration limits: Eye Dam. 1; H318: $C \geq 30\%$ Eye Irrit. 2; H319: $20\% \leq C < 30\%$	< 15%
CAS: 68154-97-2	alcohols, C10-12, ethoxylated propoxylated Eye Dam. 1, H318; Skin Irrit. 2, H315	< 5%

· Regulation (EC) No 648/2004 - Labelling for contents

non-ionic surfactants	$\geq 30\%$
soap	<5%
perfumes	

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- **General information** Immediately remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of problems.
- **After skin contact**
 Immediately rinse with water.
 If skin irritation continues, consult a doctor.

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- **After eye contact**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing**
Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.
- **4.2 Most important symptoms and effects, both acute and delayed** Eye damage
- **4.3 Indication of any immediate medical attention and special treatment needed**
Symptomatic treatment

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents** No further relevant information available.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin and eyes.
Ensure adequate ventilation
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep away from heat and direct sunlight.
Avoid contact with eyes and skin.
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
 - Protect from heat and direct sunlight.
 - Store in cool, dry conditions in well sealed receptacles.
 - Protect from frost.
- **Storage class 12**
- **7.3 Specific end use(s)** Laundry

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**

- **DNELs**

CAS: 143-22-6 2-[2-(2-butoxyethoxy)ethoxy]ethanol

Dermal	DNEL	208 mg/kg bw/day (worker (long term - systemic))
Inhalative	DNEL	195 mg/m ³ (worker (long term - systemic))

- **PNECs**

CAS: 143-22-6 2-[2-(2-butoxyethoxy)ethoxy]ethanol

PNEC	200 mg/l (STP (sewage treatment plant))
	0.15 mg/l (Marine water)
	1.5 mg/l (Freshwater)
PNEC	0.45 mg/kg dw (Soil)
	5.77 mg/kg dw (Sediment (freshwater))

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**
 - The usual precautionary measures are to be adhered to when handling chemicals.
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Do not inhale gases / vapours / aerosols.
 - Avoid contact with the eyes and skin.
 - Do not eat, drink, smoke or sniff while working.
- **Respiratory protection:**
 - Use suitable respiratory protective device in case of insufficient ventilation (exceeding the workplace limit values, formation of aerosols).
 - Combination filter ABEK-P2
- **Hand protection**
 - Protective gloves.
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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- **Material of gloves**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

- **Eye/face protection** Tightly sealed goggles.

- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **Physical state**

Fluid

- **Colour:**

Blue

- **Odour:**

Product specific

- **Odour threshold:**

No further relevant information available.
undetermined

- **Melting point/freezing point:**

undetermined

- **Boiling point or initial boiling point and boiling range**

undetermined

- **Flammability**

No further relevant information available.

- **Lower and upper explosion limit**

- **Lower:**

No further relevant information available.

- **Upper:**

No further relevant information available.

- **Flash point:**

not applicable

- **Auto-ignition temperature:**

No further relevant information available.

- **Decomposition temperature:**

No further relevant information available.

- **pH at 20 °C**

~ 8.1

- **Viscosity:**

- **Kinematic viscosity**

No further relevant information available.

- **Solubility**

- **Water:**

Fully miscible

- **Partition coefficient n-octanol/water (log value)**

No further relevant information available.

- **Vapour pressure:**

No further relevant information available.

- **Density and/or relative density**

- **Density at 20 °C:**

~ 0.98 g/cm³ (ISO 2811)

- **Relative density**

No further relevant information available.

- **Relative gas density**

No further relevant information available.

- **Particle characteristics**

No further relevant information available.

- **9.2 Other information**

- **Form:**

Liquid

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· Explosive properties:	Product does not present an explosion hazard.
· Oxidising properties	No further relevant information available.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
Stable under normal ambient conditions.
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** None if used as directed.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Strong oxidizing agents
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

CAS: 160901-19-9 Alcohols, C12-13- branched and linear, ethoxylated

Oral	LD50	> 2,000 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rabbit)

CAS: 143-22-6 2-[2-(2-butoxyethoxy)ethoxy]ethanol

Oral	LD50	5,170 mg/kg (rat)
------	------	-------------------

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Dermal	LD50	3,540 mg/kg (rabbit)
CAS: 68154-97-2 alcohols, C10-12, ethoxylated propoxylated		
Oral	LD50	> 2,000 mg/kg (rat)
· Skin corrosion/irritation Based on available data, the classification criteria are not met. · Serious eye damage/irritation Causes serious eye damage. · Respiratory or skin sensitisation Based on available data, the classification criteria are not met. · Germ cell mutagenicity Based on available data, the classification criteria are not met. · Carcinogenicity Based on available data, the classification criteria are not met. · Reproductive toxicity Based on available data, the classification criteria are not met. · STOT-single exposure Based on available data, the classification criteria are not met. · STOT-repeated exposure Based on available data, the classification criteria are not met. · Aspiration hazard Based on available data, the classification criteria are not met. · 11.2 Information on other hazards		
· Endocrine disrupting properties		
None of the ingredients is listed.		

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 160901-19-9 Alcohols, C12-13- branched and linear, ethoxylated

EC50 > 0.1 – 1 mg/l (Aquatic plants, algae) (72 h; Desmodesmus subspicatus)

NOEC 0.2 mg/l (Aquatic plants, algae) (72 h; OECD 201)

CAS: 143-22-6 2-[2-(2-butoxyethoxy)ethoxy]ethanol

EC50 62.5 mg/l (Aquatic plants, algae) (72 h)

> 500 mg/l (Aquatic invertebrates) (24h; Daphnia magna)

LC50 2,200 – 4,600 mg/l (Fish) (96 h; Leuciscus idus)

· 12.2 Persistence and degradability

CAS: 160901-19-9 Alcohols, C12-13- branched and linear, ethoxylated

OECD 301 B > 60 % (28 d; aerobic)

· 12.3 Bioaccumulative potential

No further relevant information available.

· 12.4 Mobility in soil

No further relevant information available.

· 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects

· Additional ecological information:

· General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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The product contains materials that are harmful to the environment.
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.
Disposal must be made according to official regulations.
- **Waste disposal key:**
The assignment of waste codes in accordance with European Waste Catalogue (EWC) is trade- and process-specific and has to be made in compliance with national and local regulations.
- **Uncleaned packaging:**
- **Recommendation:**
Packagings that may not be cleansed are to be disposed of in the same manner as the product.
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|---|
| · 14.1 UN number or ID number | UN3082 |
| · ADR, IMDG, IATA | |
| · 14.2 UN proper shipping name | 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol polyethoxylated) |
| · ADR | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol polyethoxylated), MARINE POLLUTANT |
| · IMDG | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol polyethoxylated) |
| · IATA | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol polyethoxylated) |
| · 14.3 Transport hazard class(es) | |
| · ADR | |
|   | |
| · Class | 9 (M6) Miscellaneous dangerous substances and articles. |

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· Label	9
· IMDG, IATA	
	
· Class	9 Miscellaneous dangerous substances and articles.
· Label	9
· 14.4 Packing group	
· ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	
· Marine pollutant:	Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
· Special marking (IATA):	Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
· Hazard identification number (Kemler code):	90
· EMS Number:	F-A,S-F
· Stowage Category	A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	(-)
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FATTY ALCOHOL POLYETHOXYLATED), 9, III

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SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category E1** Hazardous to the Aquatic Environment

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

· LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients is listed.

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· Regulation (EU) No 649/2012

None of the ingredients is listed.

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations

· Other regulations, limitations and prohibitive regulations

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· **Other information:** Product is for professional use only.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H315 Causes skin irritation.

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H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

- **Classification according to Regulation (EC) No 1272/2008**

Classification of mixtures based on ingredients of the mixture, applying calculation method of assessing health and environmental hazards

- **Version number of previous version: 3.00**

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- *** Data compared to the previous version altered.**

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name: Quickol**
- **Article number:** 9095/4.00
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages** PW Widespread use by professional workers
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture**
Dry-cleaning
Spotting agent, stain remover
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SEITZ GmbH
Gutenbergstrasse 1 - 3
65830 Kriftel / Germany
Tel. + 49(0) 6192-9948-0
Fax + 49(0) 6192-9948-99
order@seitz24.com
www.seitz24.com
- **Further information obtainable from:** sds@seitz24.com
- **1.4 Emergency telephone number:** GIZ-Nord, Göttingen, Germany + 49 551 19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 3	H226 Flammable liquid and vapour.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Dam. 1	H318 Causes serious eye damage.
STOT SE 3	H336 May cause drowsiness or dizziness.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02 GHS05 GHS07

- **Signal word** Danger
- **Hazard-determining components of labelling:**
benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with 3-methoxy-1-propanamine

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n-butyl acetate
benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing mist/vapours/spray.
P280 Wear protective gloves / eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards**Results of PBT and vPvB assessment**

· **PBT:** Not applicable.
· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures**Dangerous components:**

CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-xxxx	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	< 25%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-xxxx	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	< 25%
CAS: 85186-10-3 EINECS: 285-993-0 Reg.nr.: Not applicable*	benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with 3-methoxy-1-propanamine Eye Dam. 1, H318; Skin Irrit. 2, H315	< 20%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35-xxxx	Hydrocarbons, C 9, aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336, EUH066	< 10%
CAS: 68411-30-3 EINECS: 270-115-0 Reg.nr.: Not applicable*	benzenesulfonic acid, C10-13-alkyl derivs., sodium salts Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	< 10%
EC number: 927-285-2 Reg.nr.: 01-2119480162-45-xxxx	Hydrocarbons, C11-C14, isoalkanes, cyclics, < 2% aromatics Asp. Tox. 1, H304, EUH066	< 2.5%

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· Regulation (EC) No 648/2004 - Labelling for contents

anionic surfactants	≥15 - <30%
aromatic hydrocarbons	≥5 - <15%
aliphatic hydrocarbons	<5%

· Additional information

For the wording of the listed hazard phrases refer to section 16.

*exempted according to REACH Article 2(7) and Annex V. Each starting material of the ionic mixture is registered, as required.

Note: under REACH there is no legal requirement to provide justification for absence of Registration number. This is provided for clarity and consistency reasons.

EG 918-668-5; CAS 64742-95-6: Note P :

The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

SECTION 4: First aid measures

· 4.1 Description of first aid measures**· General information**

Remove casualties from exposure.

Keep unprotected persons away.

Immediately remove any clothing soiled by the product.

· After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact

Immediately rinse with water.

If skin irritation continues, consult a doctor.

· After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

· 4.2 Most important symptoms and effects, both acute and delayed

Eye damage

Skin irritation

Headache

Vertigo

Nausea

Unconsciousness

· 4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with full jet.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin and eyes.
Keep away from ignition sources
Ensure adequate ventilation
Do not breathe gases/ vapours.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite)
Send for recovery or disposal in suitable receptacles.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep away from heat and direct sunlight.
Avoid contact with eyes and skin.
Ensure good ventilation/exhaustion at the workplace.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Formation of explosive vapour- / air mixture possible.
Protect against electrostatic charges.
Flammable gas-air mixtures may form in empty receptacles.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
 - Store only in the original receptacle.
 - Prevent any seepage into the ground.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from oxidising agents.
 - Do not store together with alkalis (caustic solutions).
- **Further information about storage conditions:**
 - Store in cool, dry conditions in well sealed receptacles.
 - Store receptacle in a well ventilated area.
 - Protect from frost.
- **Storage class 3**
- **7.3 Specific end use(s)** Dry-cleaning

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

CAS: 123-86-4 n-butyl acetate

IOELV	Short-term value: 723 mg/m ³ , 150 ppm
	Long-term value: 241 mg/m ³ , 50 ppm

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

IOELV	Long-term value: 308 mg/m ³ , 50 ppm
	Skin

· Regulatory information IOELV: (EU) 2019/1831

· DNELs

CAS: 123-86-4 n-butyl acetate

Oral	DNEL	11 mg/kg (day) (worker (long term - systemic))
Dermal	DNEL	11 mg/kg (day) (worker (acute/short term - systemic))
Inhalative	DNEL	600 mg/m ³ (worker (acute/short term - local))
		600 mg/m ³ (worker (acute/short term - systemic))
		300 mg/m ³ (worker (long term - local))
		300 mg/m ³ (worker (long term - systemic))

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

Dermal	DNEL	283 mg/kg bw/day (worker (long term - systemic))
Inhalative	DNEL	308 mg/m ³ (worker (long term - systemic))

Hydrocarbons, C 9, aromatics

Dermal	DNEL	25 mg/kg bw/day (worker (long term - systemic))
Inhalative	DNEL	150 mg/m ³ (worker (long term - systemic))

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· PNECs	
CAS: 123-86-4 n-butyl acetate	
PNEC	35.6 mg/l (STP (sewage treatment plant)) 0.018 mg/l (Marine water) 0.36 mg/l (Intermittent releases) 0.18 mg/l (Freshwater)
PNEC	0.0903 mg/kg dw (Soil) 0.0981 mg/kg dw (Sediment (marine water)) 0.981 mg/kg dw (Sediment (freshwater))
CAS: 34590-94-8 (2-methoxymethylethoxy)propanol	
PNEC	4,168 mg/l (STP (sewage treatment plant)) 1.9 mg/l (Marine water) 190 mg/l (Intermittent releases) 19 mg/l (Freshwater)
PNEC	2.74 mg/kg dw (Soil) 7.02 mg/kg dw (Sediment (marine water)) 70.2 mg/kg dw (Sediment (freshwater))

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see item 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Do not eat, drink, smoke or sniff while working.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / vapours / aerosols.

· **Respiratory protection:**

Ensure good ventilation/exhaustion at the workplace.

Use suitable respiratory protective device in case of insufficient ventilation (exceeding the workplace limit values, formation of aerosols).

Combination filter ABEK-P2

· **Hand protection**

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

PE/EVAL/PE

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**
PE/EVAL/PE
Recommended thickness of the material: ≥ 0.4 mm
- **Eye/face protection** Tightly sealed goggles.
- **Body protection:** Solvent resistant protective clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **Physical state** Fluid
- **Colour:** Light yellow
- **Odour:** Solvent-like
- **Odour threshold:** No further relevant information available.
- **Melting point/freezing point:** undetermined
- **Boiling point or initial boiling point and boiling range** undetermined
- **Flammability** No further relevant information available.
- **Lower and upper explosion limit**
- **Lower:** No further relevant information available.
- **Upper:** No further relevant information available.
- **Flash point:** 32 °C (EN 22719)
- **Auto-ignition temperature:** No further relevant information available.
- **Decomposition temperature:** No further relevant information available.
- **pH (100 g/l) at 20 °C** ~ 7.5
- **Viscosity:**
- **Kinematic viscosity** No further relevant information available.
- **Solubility**
- **Water:** Not miscible or difficult to mix
- **Partition coefficient n-octanol/water (log value)** No further relevant information available.
- **Vapour pressure:** No further relevant information available.
- **Density and/or relative density**
- **Density at 20 °C:** ~ 0.97 g/cm³ (ISO 2811)
- **Relative density** No further relevant information available.
- **Relative gas density** No further relevant information available.
- **Particle characteristics** No further relevant information available.
- **9.2 Other information**
- **Form:** Liquid
- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Oxidising properties** No further relevant information available.

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· Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	
Flammable liquid and vapour.	
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
Stable under normal ambient conditions.
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Forms flammable gases / fumes
- **10.4 Conditions to avoid**
Protect from heat and direct sunlight.
Keep away from ignition sources
- **10.5 Incompatible materials:** Strong oxidizing agents
- **10.6 Hazardous decomposition products:** None if used as directed.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	21,090 mg/kg (rat)
------	------	--------------------

CAS: 123-86-4 n-butyl acetate

Oral	LD50	10,760 mg/kg (rat) (OECD 423)
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Dermal	LD50	> 14,112 mg/kg (rabbit) (OECD 402)
CAS: 34590-94-8 (2-methoxymethylethoxy)propanol		
Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	9,510 mg/kg (rabbit)
Inhalative	LC50 (7h)	3.35 mg/l (rat)
CAS: 85186-10-3 benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with 3-methoxy-1-propanamine		
Oral	LD50	2,550 mg/kg (rat)
Hydrocarbons, C 9, aromatics		
Oral	LD50	3,592 mg/kg (rat) (OECD 401)
Dermal	LD50	> 3,160 mg/kg (rabbit) (OECD 402)
CAS: 68411-30-3 benzenesulfonic acid, C10-13-alkyl derivs., sodium salts		
Oral	LD50	1,080 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rat)
Hydrocarbons, C11-C14, isoalkanes, cyclics, < 2% aromatics		
Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	> 3,160 mg/kg (rabbit)

· Skin corrosion/irritation

Causes skin irritation.

· Serious eye damage/irritation

Causes serious eye damage.

· Respiratory or skin sensitisation Based on available data, the classification criteria are not met.**· Germ cell mutagenicity** Based on available data, the classification criteria are not met.**· Carcinogenicity** Based on available data, the classification criteria are not met.**· Reproductive toxicity** Based on available data, the classification criteria are not met.**· STOT-single exposure**

May cause drowsiness or dizziness.

· STOT-repeated exposure Based on available data, the classification criteria are not met.**· Aspiration hazard** Based on available data, the classification criteria are not met.**· 11.2 Information on other hazards****· Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity**· Aquatic toxicity:****CAS: 123-86-4 n-butyl acetate**

EC50	647.7 mg/l (Aquatic plants, algae) (Desmodesmus subspicatus; 72h)
	44 mg/l (Aquatic invertebrates) (Daphnia magna; 48h)
LC50	18 mg/l (Fish) (Pimephales promelas; 96h; OECD 203)
NOEC	23 mg/l (Aquatic invertebrates) (Daphnia magna; 21 d; OECD211)

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CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

EC50	> 969 mg/l (Aquatic plants, algae) (96 h; Pseudokirchneriella subcapitata; OECD 201) 1,919 mg/l (Aquatic invertebrates) (48 h; Daphnia; OECD 202)
LC50	> 1,000 mg/l (Fish) (96 h; Poecilia reticulata; OECD 203)

Hydrocarbons, C 9, aromatics

EL50	2.6 – 2.9 mg/l (Aquatic plants, algae) (72 h; Pseudokirchneriella subcapitata) 3.2 mg/l (Aquatic invertebrates) (48 h; Daphnia magna; OECD 202)
LL50	9.2 mg/l (Fish) (96 h; Oncorhynchus mykiss)

Hydrocarbons, C11-C14, isoalkanes, cyclics, < 2% aromatics

EC50 (48h)	> 1,000 mg/l (Aquatic invertebrates)
EC50 (72h)	> 1,000 mg/l (Aquatic plants, algae)
LC50 (96h)	> 1,000 mg/l (Fish) (96 h; Oncorhynchus mykiss; OECD 203)
EL50	> 1,000 mg/l (Aquatic plants, algae) (72 h; Pseudokirchneriella subcapitata; OECD 201) > 1,000 mg/l (Aquatic invertebrates) (48 h; Daphnia magna; OECD 202)
LL50	> 1,000 mg/l (Fish) (96 h; Oncorhynchus mykiss; OECD 203)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
The product contains materials that are harmful to the environment.
The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.
Disposal must be made according to official regulations.
- **Waste disposal key:**
The assignment of waste codes in accordance with European Waste Catalogue (EWC) is trade- and process-specific and has to be made in compliance with national and local regulations.

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· **Uncleaned packaging:**· **Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product.
Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN number or ID number**· **ADR, IMDG, IATA**

UN1993

· **14.2 UN proper shipping name**· **ADR**

1993 FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, Hydrocarbons, C 9, aromatics)

· **IMDG, IATA**

FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, Hydrocarbons, C 9, aromatics)

· **14.3 Transport hazard class(es)**· **ADR**· **Class**

3 (F1) Flammable liquids.

· **Label**

3

· **IMDG, IATA**· **Class**

3 Flammable liquids.

· **Label**

3

· **14.4 Packing group**· **ADR, IMDG, IATA**

III

· **14.5 Environmental hazards:**

Not applicable.

· **14.6 Special precautions for user**

Warning: Flammable liquids.

· **Hazard identification number (Kemler code):** 30· **EMS Number:**

F-E, S-E

· **Stowage Category**

A

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

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· Transport/Additional information:**· ADR****· Limited quantities (LQ)****· Excepted quantities (EQ)**

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000

ml

· Transport category

3

· Tunnel restriction code

D/E

· IMDG**· Limited quantities (LQ)****· Excepted quantities (EQ)**

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000

ml

· UN "Model Regulation":

UN 1993 FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, HYDROCARBONS, C 9, AROMATICS), 3, III

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**· Directive 2012/18/EU****· Named dangerous substances - ANNEX I** None of the ingredients is listed.**· Seveso category P5c FLAMMABLE LIQUIDS****· Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t**· Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t**· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)**

None of the ingredients is listed.

· LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients is listed.

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3**· Regulation (EU) No 649/2012**

None of the ingredients is listed.

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148**· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

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· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· National regulations**· Other regulations, limitations and prohibitive regulations****· Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

· Other information: Product is for professional use only.**· 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

· Classification according to Regulation (EC) No 1272/2008

Classification of mixtures based on ingredients of the mixture, applying calculation method of assessing health and environmental hazards

· Version number of previous version: 3.00**· Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
- * Data compared to the previous version altered.**

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name: Lacol**
- **Article number:** 9317/5.00
- **UFI:** MU20-V0KP-S006-N67T
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages** PW Widespread use by professional workers
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture**
Dry-cleaning
Spotting agent, stain remover
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SEITZ GmbH
Gutenbergstrasse 1 - 3
65830 Kriftel / Germany
Tel. + 49(0) 6192-9948-0
Fax + 49(0) 6192-9948-99
order@seitz24.com
www.seitz24.com
- **Further information obtainable from:** sds@seitz24.com
- **1.4 Emergency telephone number:** GIZ-Nord, Göttingen, Germany + 49 551 19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Flam. Liq. 3 H226 Flammable liquid and vapour.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
STOT SE 3 H336 May cause drowsiness or dizziness.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**

GHS02 GHS05 GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:**
cyclohexanone

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n-butyl acetate

benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with 3-methoxy-1-propanamine

Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves / eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards**Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures**Dangerous components:**

CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-xxxx	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	< 25%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-xxxx	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	< 25%
CAS: 108-94-1 EINECS: 203-631-1 Reg.nr.: 01-2119453616-35-xxxx	cyclohexanone Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	< 15%
CAS: 85186-10-3 EINECS: 285-993-0 Reg.nr.: Not applicable*	benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with 3-methoxy-1-propanamine Eye Dam. 1, H318; Skin Irrit. 2, H315	< 15%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-xxxx	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226	< 10%

Regulation (EC) No 648/2004 - Labelling for contents

anionic surfactants

≥5 - <15%

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· **Additional information**

For the wording of the listed hazard phrases refer to section 16.

*exempted according to REACH Article 2(7) and Annex V. Each starting material of the ionic mixture is registered, as required.

Note: under REACH there is no legal requirement to provide justification for absence of Registration number. This is provided for clarity and consistency reasons.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information**

Remove casualties from exposure.

Keep unprotected persons away.

Immediately remove any clothing soiled by the product.

· **After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

· **After eye contact**

Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

· **4.2 Most important symptoms and effects, both acute and delayed**

Skin irritation

Eye damage

Headache

Vertigo

Nausea

Dizziness

Unconsciousness

· **4.3 Indication of any immediate medical attention and special treatment needed**

Symptomatic treatment

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents** Water with full jet.

· **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

· **5.3 Advice for firefighters**

· **Protective equipment:**

Do not inhale explosion gases or combustion gases.

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Wear self-contained respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Avoid contact with skin and eyes.

Keep away from ignition sources

Ensure adequate ventilation

Do not breathe gases/ vapours.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite)

Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Avoid contact with eyes and skin.

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Formation of explosive vapour- / air mixture possible.

Protect against electrostatic charges.

Flammable gas-air mixtures may form in empty receptacles.

7.2 Conditions for safe storage, including any incompatibilities**Storage****Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Prevent any seepage into the ground.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

Do not store together with alkalis (caustic solutions).

Further information about storage conditions:

Protect from heat and direct sunlight.

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

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- Protect from frost.
- **Storage class 3**
- **7.3 Specific end use(s)** Dry-cleaning

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

CAS: 123-86-4 n-butyl acetate

IOELV	Short-term value: 723 mg/m ³ , 150 ppm
	Long-term value: 241 mg/m ³ , 50 ppm

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

IOELV	Long-term value: 308 mg/m ³ , 50 ppm
	Skin

CAS: 108-94-1 cyclohexanone

IOELV	Short-term value: 81.6 mg/m ³ , 20 ppm
	Long-term value: 40.8 mg/m ³ , 10 ppm
	Skin

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

IOELV	Short-term value: 550 mg/m ³ , 100 ppm
	Long-term value: 275 mg/m ³ , 50 ppm
	Skin

· Regulatory information IOELV: (EU) 2019/1831

· DNELs

CAS: 123-86-4 n-butyl acetate

Oral	DNEL	11 mg/kg (day) (worker (long term - systemic))
Dermal	DNEL	11 mg/kg (day) (worker (acute/short term - systemic))
Inhalative	DNEL	600 mg/m ³ (worker (acute/short term - local))
		600 mg/m ³ (worker (acute/short term - systemic))
		300 mg/m ³ (worker (long term - local))
		300 mg/m ³ (worker (long term - systemic))

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

Dermal	DNEL	283 mg/kg bw/day (worker (long term - systemic))
Inhalative	DNEL	308 mg/m ³ (worker (long term - systemic))

CAS: 108-94-1 cyclohexanone

Dermal	DNEL	10 mg/kg bw/day (worker (long term - systemic))
Inhalative	DNEL	40 mg/m ³ (worker (long term - local))
		100 mg/m ³ (worker (long term - systemic))

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

Dermal	DNEL	153.5 mg/kg bw/day (worker (long term - systemic))
Inhalative	DNEL	275 mg/m ³ (worker (long term - systemic))

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· PNECs	
CAS: 123-86-4 n-butyl acetate	
PNEC	35.6 mg/l (STP (sewage treatment plant)) 0.018 mg/l (Marine water) 0.36 mg/l (Intermittent releases) 0.18 mg/l (Freshwater)
PNEC	0.0903 mg/kg dw (Soil) 0.0981 mg/kg dw (Sediment (marine water)) 0.981 mg/kg dw (Sediment (freshwater))
CAS: 34590-94-8 (2-methoxymethylethoxy)propanol	
PNEC	4,168 mg/l (STP (sewage treatment plant)) 1.9 mg/l (Marine water) 190 mg/l (Intermittent releases) 19 mg/l (Freshwater)
PNEC	2.74 mg/kg dw (Soil) 7.02 mg/kg dw (Sediment (marine water)) 70.2 mg/kg dw (Sediment (freshwater))
CAS: 108-94-1 cyclohexanone	
PNEC	10 mg/l (STP (sewage treatment plant)) 0.003 mg/l (Marine water) 0.329 mg/l (Intermittent releases) 0.033 mg/l (Freshwater)
PNEC	0.014 mg/kg dw (Soil) 0.017 mg/kg dw (Sediment (marine water)) 0.168 mg/kg dw (Sediment (freshwater))
CAS: 108-65-6 2-methoxy-1-methylethyl acetate	
PNEC	100 mg/l (STP (sewage treatment plant)) 0.0635 mg/l (Marine water) 6.35 mg/l (Intermittent releases) 0.635 mg/l (Freshwater)
PNEC	0.29 mg/kg dw (Soil) 0.329 mg/kg dw (Sediment (marine water)) 3.29 mg/kg dw (Sediment (freshwater))

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see item 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Do not eat, drink, smoke or sniff while working.

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Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / vapours / aerosols.

- **Respiratory protection:**

Ensure good ventilation/exhaustion at the workplace.

Use suitable respiratory protective device in case of insufficient ventilation (exceeding the workplace limit values, formation of aerosols).

Combination filter ABEK-P2

- **Hand protection**

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

PE/EVAL/PE

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

PE/EVAL/PE

Recommended thickness of the material: ≥ 0.4 mm

- **Eye/face protection** Tightly sealed goggles.

- **Body protection:** Solvent resistant protective clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

· Physical state	Fluid
· Colour:	Yellow
· Odour:	Solvent-like
· Odour threshold:	No further relevant information available.
· Melting point/freezing point:	undetermined
· Boiling point or initial boiling point and boiling range	undetermined
· Flammability	No further relevant information available.
· Lower and upper explosion limit	
· Lower:	No further relevant information available.
· Upper:	No further relevant information available.
· Flash point:	36 °C (EN 22719)
· Auto-ignition temperature:	No further relevant information available.
· Decomposition temperature:	No further relevant information available.
· pH (100 g/l) at 20 °C	~ 7.0

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· Viscosity:	No further relevant information available.
· Kinematic viscosity	No further relevant information available.
· dynamic:	No further relevant information available.
· Solubility	
· Water:	Not miscible or difficult to mix
· Partition coefficient n-octanol/water (log value)	No further relevant information available.
· Vapour pressure:	No further relevant information available.
· Density and/or relative density	
· Density at 20 °C:	~ 0.97 g/cm ³ (ISO 2811)
· Relative density	No further relevant information available.
· Vapour density	No further relevant information available.
· Relative gas density	No further relevant information available.
· Particle characteristics	No further relevant information available.
· 9.2 Other information	
· Form:	Liquid
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Oxidising properties	No further relevant information available.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
Stable under normal ambient conditions.

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- No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Forms flammable gases / fumes
- **10.4 Conditions to avoid**
Protect from heat and direct sunlight.
Keep away from ignition sources
- **10.5 Incompatible materials:** Strong oxidizing agents
- **10.6 Hazardous decomposition products:** None if used as directed.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)

Oral	LD50	12,642 mg/kg (rat)
Dermal	LD50	7,358 mg/kg
Inhalative	LC50 (4h)	73.6 mg/l

CAS: 123-86-4 n-butyl acetate

Oral	LD50	10,760 mg/kg (rat) (OECD 423)
Dermal	LD50	> 14,112 mg/kg (rabbit) (OECD 402)

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	9,510 mg/kg (rabbit)
Inhalative	LC50 (7h)	3.35 mg/l (rat)

CAS: 108-94-1 cyclohexanone

Oral	LD50	1,890 mg/kg (rat)
Dermal	LD50	1,100 mg/kg (ATE)
Inhalative	LC50 (4h)	11 mg/l (ATE)

CAS: 85186-10-3 benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with 3-methoxy-1-propanamine

Oral	LD50	2,550 mg/kg (rat)
------	------	-------------------

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rat)

- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause drowsiness or dizziness.

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- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· Endocrine disrupting properties
--

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 123-86-4 n-butyl acetate

EC50	647.7 mg/l (Aquatic plants, algae) (Desmodesmus subspicatus; 72h)
	44 mg/l (Aquatic invertebrates) (Daphnia magna; 48h)
LC50	18 mg/l (Fish) (Pimephales promelas; 96h; OECD 203)
NOEC	23 mg/l (Aquatic invertebrates) (Daphnia magna; 21 d; OECD211)

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

EC50	> 969 mg/l (Aquatic plants, algae) (96 h; Pseudokirchneriella subcapitata; OECD 201)
	1,919 mg/l (Aquatic invertebrates) (48 h; Daphnia; OECD 202)
LC50	> 1,000 mg/l (Fish) (96 h; Poecilia reticulata; OECD 203)

CAS: 108-94-1 cyclohexanone

EC50	820 mg/l (Aquatic invertebrates) (Daphnia magna; 24 h)
LC50	527 mg/l (Fish) (Pimephales promelas; 96 h)
EC5	192 mg/l (Aquatic plants, algae) (Scenedesmus quadricauda; 192 h)

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

EC50	> 1,000 mg/l (Aquatic plants, algae) (72 h; Selenastrum capricornutum; OECD 201)
	> 500 mg/l (Aquatic invertebrates) (48 h; Daphnia magna)
LC50	134 mg/l (Fish) (96 h; Oncorhynchus mykiss; OECD 203)
NOEC	47.5 mg/l (Fish) (14 d; Oryzias latipes; OECD 204)
	≥ 100 mg/l (Aquatic invertebrates) (21 d; Daphnia magna; OECD 202)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects

· Additional ecological information:

· General notes:

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at

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the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.
Disposal must be made according to official regulations.

· Waste disposal key:

The assignment of waste codes in accordance with European Waste Catalogue (EWC) is trade- and process-specific and has to be made in compliance with national and local regulations.

· Uncleaned packaging:

· Recommendation:

Packagings that may not be cleansed are to be disposed of in the same manner as the product.
Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR, IMDG, IATA

UN1993

· 14.2 UN proper shipping name

· ADR

1993 FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, CYCLOHEXANONE)

· IMDG, IATA

FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, CYCLOHEXANONE)

· 14.3 Transport hazard class(es)

· ADR



· Class

3 (F1) Flammable liquids.

· Label

3

· IMDG, IATA



· Class

3 Flammable liquids.

· Label

3

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· 14.4 Packing group	
· ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E, S-E
· Stowage Category	A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, CYCLOHEXANONE), 3, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

· LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients is listed.

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

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· Regulation (EU) No 649/2012

None of the ingredients is listed.

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS
--

None of the ingredients is listed.

· National regulations

· Other regulations, limitations and prohibitive regulations

· Substances of very high concern (SVHC) according to REACH, Article 57
--

None of the ingredients is listed.

· Other information: Product is for professional use only.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.
--

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Classification according to Regulation (EC) No 1272/2008

Classification of mixtures based on ingredients of the mixture, applying calculation method of assessing health and environmental hazards

· Version number of previous version: 4.00

· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals
--

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent
--

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic
--

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative
--

Flam. Liq. 3: Flammable liquids – Category 3
--

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1
--

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
--

· * Data compared to the previous version altered.

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name: Purasol**
- **Article number:** 9093/5.00
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages** PW Widespread use by professional workers
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture**
Dry-cleaning
Spotting agent, stain remover
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SEITZ GmbH
Gutenbergstrasse 1 - 3
65830 Kriftel / Germany
Tel. + 49(0) 6192-9948-0
Fax + 49(0) 6192-9948-99
order@seitz24.com
www.seitz24.com
- **Further information obtainable from:** sds@seitz24.com
- **1.4 Emergency telephone number:** GIZ-Nord, Göttingen, Germany + 49 551 19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 3	H226 Flammable liquid and vapour.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Dam. 1	H318 Causes serious eye damage.
STOT SE 3	H336 May cause drowsiness or dizziness.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**

GHS02
GHS05
GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:**
cyclohexanone

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- n-butyl acetate
- **Hazard statements**
 - H226 Flammable liquid and vapour.
 - H315 Causes skin irritation.
 - H318 Causes serious eye damage.
 - H336 May cause drowsiness or dizziness.
 - H412 Harmful to aquatic life with long lasting effects.
 - **Precautionary statements**
 - P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 - P261 Avoid breathing mist/vapours/spray.
 - P280 Wear protective gloves / eye protection.
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P310 Immediately call a POISON CENTER/doctor.
 - P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 - **2.3 Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· **Dangerous components:**

CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-xxxx	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	50 – 100%
CAS: 108-94-1 EINECS: 203-631-1 Reg.nr.: 01-2119453616-35-xxxx	cyclohexanone Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	< 15%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35-xxxx	Hydrocarbons, C 9, aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336, EUH066	< 10%

· **Regulation (EC) No 648/2004 - Labelling for contents**

aromatic hydrocarbons	≥5 - <15%
-----------------------	-----------

· **Additional information**

EG 918-668-5; CAS 64742-95-6: Note P :

The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information

Remove casualties from exposure.

Keep unprotected persons away.

Immediately remove any clothing soiled by the product.

· After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

· 4.2 Most important symptoms and effects, both acute and delayed

Eye damage

Skin irritation

Headache

Vertigo

Nausea

Unconsciousness

· 4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· For safety reasons unsuitable extinguishing agents

Water with full jet.

· 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

· 5.3 Advice for firefighters

· Protective equipment:

Do not inhale explosion gases or combustion gases.

Wear self-contained respiratory protective device.

· Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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Trade name: **Purasol**

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin and eyes.
Keep away from ignition sources
Ensure adequate ventilation
Do not breathe gases/ vapours.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite)
Send for recovery or disposal in suitable receptacles.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with eyes and skin.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Formation of explosive vapour- / air mixture possible.
Protect against electrostatic charges.
Flammable gas-air mixtures may form in empty receptacles.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Prevent any seepage into the ground.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Do not store together with alkalis (caustic solutions).
Do not store together with acids.
Store away from oxidising agents.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.
- **Storage class 3**
- **7.3 Specific end use(s)** Dry-cleaning

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SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

CAS: 123-86-4 n-butyl acetate

IOELV	Short-term value: 723 mg/m ³ , 150 ppm
	Long-term value: 241 mg/m ³ , 50 ppm

CAS: 108-94-1 cyclohexanone

IOELV	Short-term value: 81.6 mg/m ³ , 20 ppm
	Long-term value: 40.8 mg/m ³ , 10 ppm
	Skin

· Regulatory information IOELV: (EU) 2019/1831

· DNELs

CAS: 123-86-4 n-butyl acetate

Oral	DNEL	11 mg/kg (day) (worker (long term - systemic))
Dermal	DNEL	11 mg/kg (day) (worker (acute/short term - systemic))
Inhalative	DNEL	600 mg/m ³ (worker (acute/short term - local))
		600 mg/m ³ (worker (acute/short term - systemic))
		300 mg/m ³ (worker (long term - local))
		300 mg/m ³ (worker (long term - systemic))

CAS: 108-94-1 cyclohexanone

Dermal	DNEL	10 mg/kg bw/day (worker (long term - systemic))
Inhalative	DNEL	40 mg/m ³ (worker (long term - local))
		100 mg/m ³ (worker (long term - systemic))

Hydrocarbons, C 9, aromatics

Dermal	DNEL	25 mg/kg bw/day (worker (long term - systemic))
Inhalative	DNEL	150 mg/m ³ (worker (long term - systemic))

· PNECs

CAS: 123-86-4 n-butyl acetate

PNEC	35.6 mg/l (STP (sewage treatment plant))
	0.018 mg/l (Marine water)
	0.36 mg/l (Intermittent releases)
	0.18 mg/l (Freshwater)
PNEC	0.0903 mg/kg dw (Soil)
	0.0981 mg/kg dw (Sediment (marine water))
	0.981 mg/kg dw (Sediment (freshwater))

CAS: 108-94-1 cyclohexanone

PNEC	10 mg/l (STP (sewage treatment plant))
	0.003 mg/l (Marine water)
	0.329 mg/l (Intermittent releases)
	0.033 mg/l (Freshwater)

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PNEC	0.014 mg/kg dw (Soil)
	0.017 mg/kg dw (Sediment (marine water))
	0.168 mg/kg dw (Sediment (freshwater))

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Do not eat, drink, smoke or sniff while working.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not inhale gases / vapours / aerosols.
- **Respiratory protection:**
Ensure good ventilation/exhaustion at the workplace.
Use suitable respiratory protective device in case of insufficient ventilation (exceeding the workplace limit values, formation of aerosols).
Filter A/P2.
Combination filter ABEK-P2
- **Hand protection**
Solvent resistant gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**
PE/EVAL/PE
Butyl rubber, BR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**
PE/EVAL/PE
Recommended thickness of the material: ≥ 0.4 mm
- **Eye/face protection** Tightly sealed goggles.
- **Body protection:** Solvent resistant protective clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **Physical state** Fluid
- **Colour:** Colourless

(Contd. on page 7)

EU



The fresher company.

Page 7/13

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2021

Version number 5.00

Revision: 14.07.2021

Trade name: Purasol

(Contd. of page 6)

· Odour:	Solvent-like
· Odour threshold:	No further relevant information available.
· Melting point/freezing point:	undetermined
· Boiling point or initial boiling point and boiling range	undetermined
· Flammability	No further relevant information available.
· Lower and upper explosion limit	
· Lower:	No further relevant information available.
· Upper:	No further relevant information available.
· Flash point:	30 °C (EN 22719)
· Auto-ignition temperature:	No further relevant information available.
· Decomposition temperature:	No further relevant information available.
· pH	Not applicable.
· Viscosity:	
· Kinematic viscosity	No further relevant information available.
· Solubility	
· Water:	Not miscible or difficult to mix
· Partition coefficient n-octanol/water (log value)	No further relevant information available.
· Vapour pressure:	No further relevant information available.
· Density and/or relative density	
· Density at 20 °C:	~ 0.89 g/cm ³ (ISO 2811)
· Relative density	No further relevant information available.
· Relative gas density	No further relevant information available.
· Particle characteristics	No further relevant information available.
· 9.2 Other information	
· Form:	Liquid
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Oxidising properties	No further relevant information available.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	
Flammable liquid and vapour.	
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void

(Contd. on page 8)

EU

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2021

Version number 5.00

Revision: 14.07.2021

Trade name: **Purasol**

(Contd. of page 7)

· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
Stable under normal ambient conditions.
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Forms flammable gases / fumes
- **10.4 Conditions to avoid**
Protect from heat and direct sunlight.
Keep away from ignition sources
- **10.5 Incompatible materials:**
Strong oxidizing agents
Acids
Alkalis (lyes)
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	18,900 mg/kg (rat)
Dermal	LD50	11,000 mg/kg
Inhalative	LC50 (4h)	110 mg/l

CAS: 123-86-4 n-butyl acetate

Oral	LD50	10,760 mg/kg (rat) (OECD 423)
Dermal	LD50	> 14,112 mg/kg (rabbit) (OECD 402)

CAS: 108-94-1 cyclohexanone

Oral	LD50	1,890 mg/kg (rat)
Dermal	LD50	1,100 mg/kg (ATE)
Inhalative	LC50 (4h)	11 mg/l (ATE)

Hydrocarbons, C 9, aromatics

Oral	LD50	3,592 mg/kg (rat) (OECD 401)
Dermal	LD50	> 3,160 mg/kg (rabbit) (OECD 402)

- **Skin corrosion/irritation**
Causes skin irritation.

(Contd. on page 9)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2021

Version number 5.00

Revision: 14.07.2021

Trade name: **Purasol**

(Contd. of page 8)

- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· Endocrine disrupting properties
--

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

CAS: 123-86-4 n-butyl acetate	
--------------------------------------	--

EC50	647.7 mg/l (Aquatic plants, algae) (Desmodesmus subspicatus; 72h)
------	---

	44 mg/l (Aquatic invertebrates) (Daphnia magna; 48h)
--	--

LC50	18 mg/l (Fish) (Pimephales promelas; 96h; OECD 203)
------	---

NOEC	23 mg/l (Aquatic invertebrates) (Daphnia magna; 21 d; OECD211)
------	--

CAS: 108-94-1 cyclohexanone	
------------------------------------	--

EC50	820 mg/l (Aquatic invertebrates) (Daphnia magna; 24 h)
------	--

LC50	527 mg/l (Fish) (Pimephales promelas; 96 h)
------	---

EC5	192 mg/l (Aquatic plants, algae) (Scenedesmus quadricauda; 192 h)
-----	---

Hydrocarbons, C 9, aromatics	
-------------------------------------	--

EL50	2.6 – 2.9 mg/l (Aquatic plants, algae) (72 h; Pseudokirchneriella subcapitata)
------	--

	3.2 mg/l (Aquatic invertebrates) (48 h; Daphnia magna; OECD 202)
--	--

LL50	9.2 mg/l (Fish) (96 h; Oncorhynchus mykiss)
------	---

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- **Additional ecological information:**

- **General notes:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2021

Version number 5.00

Revision: 14.07.2021

Trade name: Purasol

The product contains materials that are harmful to the environment.

(Contd. of page 9)

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

Disposal must be made according to official regulations.

· Waste disposal key:

The assignment of waste codes in accordance with European Waste Catalogue (EWC) is trade- and process-specific and has to be made in compliance with national and local regulations.

· Uncleaned packaging:

· Recommendation:

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR, IMDG, IATA

UN1993

· 14.2 UN proper shipping name

· ADR

1993 FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, Hydrocarbons, C 9, aromatics)

· IMDG, IATA

FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, Hydrocarbons, C 9, aromatics)

· 14.3 Transport hazard class(es)

· ADR



· Class

3 (F1) Flammable liquids.

· Label

3

· IMDG, IATA



· Class

3 Flammable liquids.

· Label

3

· 14.4 Packing group

· ADR, IMDG, IATA

III

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The fresher company.

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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2021

Version number 5.00

Revision: 14.07.2021

Trade name: **Purasol**

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· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E, <u>S-E</u>
· Stowage Category	A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, HYDROCARBONS, C 9, AROMATICS), 3, III

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category** P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t

· **REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)**

None of the ingredients is listed.

· **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)**

None of the ingredients is listed.

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

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EU



The fresher company.

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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2021

Version number 5.00

Revision: 14.07.2021

Trade name: Purasol

(Contd. of page 11)

· Regulation (EU) No 649/2012
None of the ingredients is listed.
· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.
· REGULATION (EU) 2019/1148
· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.
· Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.
· National regulations
· Other regulations, limitations and prohibitive regulations
· Substances of very high concern (SVHC) according to REACH, Article 57
None of the ingredients is listed.
· Other information: Product is for professional use only.
· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

· **Classification according to Regulation (EC) No 1272/2008**

Classification of mixtures based on ingredients of the mixture, applying calculation method of assessing health and environmental hazards

· **Version number of previous version: 4.00**

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)

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EU



The fresher company.

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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2021

Version number 5.00

Revision: 14.07.2021

Trade name: Purasol

(Contd. of page 12)

PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
· *** Data compared to the previous version altered.**

EU

Shipper
WWL GERMANY GMBH
EMANUEL-LEUTZE-STRASSE 17
40547 DUESSELDORF
GERMANY
TAX ID:?????????

Consigned to order of
WORLDWIDE LOGISTICS FORWARDING SERVICES
MONTECITO 38 PISO 39 OF 29 COL
03810 NAPOLES MEXICO CITY
MEXICO
EMAIL: DVELAZQUEZ@WWLLMAIL.COM
TAX ID:WLF201217SU8

Notify Party and address
WORLDWIDE LOGISTICS FORWARDING SERVICES
MONTECITO 38 PISO 39 OF 29 COL
03810 NAPOLES MEXICO CITY
MEXICO
EMAIL: DVELAZQUEZ@WWLLMAIL.COM

	Place of receipt BREMEN CFS
--	--------------------------------

Ocean vessel SANTA VIOLA	Port of loading HAMBURG
-----------------------------	----------------------------

Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS	Freight payable BREMEN	Number of original Bills of Lading 0/ZERO
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Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg.	Measurement, m ³
CARGO DETAILS AS PER ATTACHED STATEMENT					

B/L No.
VER267378

FMC Organization No. 025875



General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

ALL COSTS, CHARGES,
LIABILITIES AND DELAYS
RESULTING FROM EMERGENCY
QUARANTINE FOR WOOD AND
WOODEN PACKAGING OR FROM
INSUFFICIENT OR IMPROPER
LABELLING OF NON WOODEN
PACKAGING ARE FOR
CUSTOMER'S ACCOUNT

3/05/BRE/528104

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FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA,C.P.06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

The Carrier in accordance with the provisions contained on this side and on the reverse side of this document;

- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
- assumes liability as prescribed in this document for such transport.

One of the Bills of Lading to be surrendered duly endorsed in exchange for the Goods or delivery order.

IN WITNESS whereof three (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue
BREMEN 30.05.2023

Signed for the Carrier



SACO Shipping GmbH

as agent of carrier SACO SHIPPING LINE LIMITED

Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg.	Measurement, m ³
SEITZ - COMERCIAL IZADORA	7 PALLETS	CHEMICALS HS CODE: 27101221, 34025090, 38099100, 38140090, 39051200 UN3265 - CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (N-(2HYDROXYETHYL)-N,N-DIMETHY LALKYL-C1 2-14(GERADZAHBIG)-1-AMMONIUMCH LORID) CLASS 8, PG III, LIMITED QUANTITY, SEGREGATION GROUP 1 UN3082 - ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FATTY ALCOHOL POLYETHOXYLATED) CLASS 9, PG III . UN1993 - FLAMMABLE LIQUID, N.O.S. (BUTYLACETATES, HYDRO CARBONS, C9, AROMATICS) CLASS 3, PG III, LIMITED QUANTITY UN1993 - FLAMMABLE LIQUID, N.O.S. (BUTYLACETATES, CYCLOHEXANON) CLASS 3, PG III, LIMITED QUANTITY		4607,240	8,064
STOWED INTO CONTAINER NO.: KKFU7931301				SEAL : WWA030053597	
TOTAL		7 PALLETS		4607,240 KGS	8,064 CBM

Shipper
HEINRICH NYMPHIUS GMBH
NEUMARKTSTR. 50
81673 MUENCHEN, GERMANY

TAX ID:DE 811354683

Consigned to order of
JSP INTERNATIONAL DE MEXICO SA DE C
ERNESTO MONROY NO. 118 L-2, MZ 210
PARQUE INDUSTRIAL EXPORTEC II
TOLUCA ESTADO D MEXICO CP 50200, M

TAX ID:JIM9401121I0

Notify Party and address
BROKER: TO FOLLOW
LOGISTICA Y ADUANAS PALAZUELOS S.A. DE
C.V.
RFC: LAP150529IN3
CONTACTO: JORGE HARO
JORGE.HARO@LARMAG.COM.MX
+52 (33) 3498 8245

Place of receipt
BREMEN CFS

Ocean vessel
SANTA VIOLA
Port of loading
HAMBURG

Port of discharge VERACRUZ	Place of delivery TOLUCA, MC DAP	Freight payable BREMEN	Number of original Bills of Lading 0/ZERO
-------------------------------	-------------------------------------	---------------------------	--

Marks and Nos. JSP INTERNATIONAL DE MEXICO SA DE C TOLUCA, MX STOWED INTO CONTAINER NO.: KKFU7931301	Quantity of Goods 1 PACKAGE	Description of Goods INJECTORS JPP16-42/350G/3 HS: 84242000	Said to contain	Gross weight, kg. 445,000	Measurement, m ³ 0,832
--	--------------------------------	---	-----------------	------------------------------	--------------------------------------

SEAL : WWA030053597

TOTAL	1 PACKAGE	445,000 KGS	0,832 CBM
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FREIGHT PREPAID UPTO DAP – SHIPPED ON BOARD – EXPRESS B/L

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA,C.P.06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

B/L No.
VER267382

FMC Organization No. 025875



General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

3/05/BRE/528105

ALL COSTS, CHARGES,
LIABILITIES AND DELAYS
RESULTING FROM EMERGENCY
QUARANTINE FOR WOOD AND
WOODEN PACKAGING OR FROM
INSUFFICIENT OR IMPROPER
LABELLING OF NON WOODEN
PACKAGING ARE FOR
CUSTOMER'S ACCOUNT

Copy

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

The Carrier in accordance with the provisions contained on this side and on the reverse side of this document;

- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
- assumes liability as prescribed in this document for such transport.

One of the Bills of Lading to be surrendered duly endorsed in exchange for the Goods or delivery order.

IN WITNESS whereof three (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue
BREMEN 30.05.2023

Signed for the Carrier



SACO Shipping GmbH

as agent of carrier SACO SHIPPING LINE LIMITED

Shipper
FIMA MASCHINENBAU GMBH
OBERFISCHACHER STRASSE 58
74423 OBERSONTHEIM
GERMANY
TAX ID:DE 814 483 116

Consigned to order of
CYPLUS IDESA S.A.P.I. DE C.V.
BOSQUE DE RADIATAS 34
BOSQUES DE LAS LOMAS
DISTRITO FEDERAL
05120 CUAJIMALPA DE MORELOS
MEXICO
RFC: CID1306214R7

Notify Party and address
CYPLUS IDESA S.A.P.I. DE C.V.
ATTN: BLANCA MATEO JIMENEZ
PHONE: 921 211 9000
EMAIL: BMATEO@CYPLUSIDESA.COM

B/L No.
VER267405

FMC Organization No. 025875



General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

ALL COSTS, CHARGES,
LIABILITIES AND DELAYS
RESULTING FROM EMERGENCY
QUARANTINE FOR WOOD AND
WOODEN PACKAGING OR FROM
INSUFFICIENT OR IMPROPER
LABELLING OF NON WOODEN
PACKAGING ARE FOR
CUSTOMER'S ACCOUNT

3/05/BRE/528106

Copy

		Place of receipt BREMEN CFS	
Ocean vessel SANTA VIOLA		Port of loading HAMBURG	
Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS	Freight payable BREMEN	Number of original Bills of Lading 3/THREE
Marks and Nos. CONSIGNEE: CYPLUS IDESA S.A.P.I. DE C.V. BOSQUE DE RADIATAS 34 BOSQUES DE LAS LOMAS DISTRITO FEDERAL 05120 CUAJIMALPA DE MORELOS MEXICO STOWED INTO CONTAINER NO.: KKFU7931301	Quantity of Goods 1 CASE	Description of Goods SPECIAL TOOLS FOR MAINTENANCE AND REPAIR HS-CODES:84149000+73181699+73182 200	Gross weight, kg. 197,000 Measurement, m³ 1,444

SEAL : WWA030053597

TOTAL	1 CASE	197,000 KGS	1,444 CBM
--------------	---------------	--------------------	------------------

FREIGHT PREPAID - SHIPPED ON BOARD

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA,C.P.06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

The Carrier in accordance with the provisions contained on this side and on the reverse side of this document;

- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
- assumes liability as prescribed in this document for such transport.

One of the Bills of Lading to be surrendered duly endorsed in exchange for the Goods or delivery order.

IN WITNESS whereof three (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue
BREMEN 26.05.2023

Signed for the Carrier



SACO Shipping GmbH

as agent of carrier SACO SHIPPING LINE LIMITED

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

Shipper
EVONIK OPERATIONS GMBH
GOLDSCHMIDTSTRASSE 100
45127 ESSEN
GERMANY
VAT# DE114138241

Consigned to order of
LESCHACO MEXICANA SA DE CV.
BLVD. MANUEL AVILA CAMACHO
NO. 88 PISO 5, COL. LOMAS DE CHAPULTEPEC
CP.11000, CIUDAD DE MEXICO, MEXICO
RFC: LME980116R15

Notify Party and address
LESCHACO MEXICANA SA DE CV.
BLVD. MANUEL AVILA CAMACHO
NO. 88 PISO 5, COL. LOMAS DE CHAPULTEPEC
CP.11000, CIUDAD DE MEXICO, MEXICO
RFC: LME980116R15

	Place of receipt
	BREMEN CFS

Ocean vessel	Port of loading
SANTA VIOLA	HAMBURG

Port of discharge	Place of delivery	Freight payable	Number of original Bills of Lading
VERACRUZ	VERACRUZ CFS	BREMEN	0/ZERO

Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg.	Measurement, m ³
EVONIK INDUSTRIES DE MEXICO S.A DE C.V 46313780 TEGO VARIPLUS SK MADE IN GERMANY MEXICO VERACRUZ	4 PALLETS	TEGO VARIPLUS SK HS-CODE: 391190 160 BAGS		4117,600	7,452

STOWED INTO CONTAINER NO.: KKFU7931301

SEAL : WWA030053597

TOTAL	4 PALLETS	4117,600 KGS	7,452 CBM
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FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA,C.P.06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

B/L No.
VER267418

FMC Organization No. 025875



General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

3/05/BRE/528107

ALL COSTS, CHARGES,
LIABILITIES AND DELAYS
RESULTING FROM EMERGENCY
QUARANTINE FOR WOOD AND
WOODEN PACKAGING OR FROM
INSUFFICIENT OR IMPROPER
LABELLING OF NON WOODEN
PACKAGING ARE FOR
CUSTOMER'S ACCOUNT

Copy

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

The Carrier in accordance with the provisions contained on this side and on the reverse side of this document;

- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
- assumes liability as prescribed in this document for such transport.

One of the Bills of Lading to be surrendered duly endorsed in exchange for the Goods or delivery order.

IN WITNESS whereof three (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue
BREMEN 30.05.2023

Signed for the Carrier



SACO Shipping GmbH

as agent of carrier SACO SHIPPING LINE LIMITED

Shipper
J.N. EBERLE & CIE GMBH
VAT-NR. DE811165710
EBERLESTR. 28
86157 AUGSBURG, GERMANY

B/L No.
VER267429

FMC Organization No. 025875



General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

ALL COSTS, CHARGES,
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QUARANTINE FOR WOOD AND
WOODEN PACKAGING OR FROM
INSUFFICIENT OR IMPROPER
LABELLING OF NON WOODEN
PACKAGING ARE FOR
CUSTOMER'S ACCOUNT

3/05/BRE/528108

Copy

Consigned to order of
BEMAP INDUSTRIAL S.A. DE C.V.
MANUEL ACUNA NO. 965 COL. JESUS
GUADALAJARA, JALISCO 44200, MEXICO
TAX-ID: BIN10919655
MR. LUIS ALMADA
LUIS.ALMADA@BEMAP.COM.MX

Notify Party and address
BROKER: DIAZ DE VEGA, S.C.
CUSTOMS PATENT: 3982
AV. JUAREZ NO. 538, COL CENTRO
C.P. 91700 VERACRUZ, MEXICO
TAX-ID: DVE990309JI1

		Place of receipt BREMEN CFS		
Ocean vessel SANTA VIOLA	Port of loading HAMBURG			
Port of discharge VERACRUZ	Place of delivery GUADALAJARA, JALISCO DOOR DAP	Freight payable BREMEN	Number of original Bills of Lading 0/ZERO	
Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg. Measurement, m ³
CARGO DETAILS AS PER ATTACHED STATEMENT				

FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA, C.P. 06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

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Place and date of issue
BREMEN 30.05.2023

Signed for the Carrier



SACO Shipping GmbH

as agent of carrier SACO SHIPPING LINE LIMITED

Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg.	Measurement, m ³
23004364, 23005762, 23005764, 23005774, 23006003, 23006005, 23006016, 23006019, 23007059, 23007076, 23007310, 23007326, 23007334, 23007336 BEMAP INDUSTRIAL S.A. DE C.V. MANUEL ACUNA NO. 965 COL. JESUS MX-44200 GUADALAJARA, JALISCO STOWED INTO CONTAINER NO.: KKFU7931301	14 CARTONS	PACKED ON 14 PALLETS METALBAND SAW BLADES HS CODE: 82022000		4426,000	6,900
				SEAL : WWA030053597	
TOTAL		14 CARTONS		4426,000 KGS	6,900 CBM

Shipper
NGL NAVIGATOR GLOBAL LOGISTICS GMBH
FELIX-WANKEL-STRASSE 3
STUHR NI 28816 GERMANY
TAX ID:RUT 213898720014

Consigned to order of
NGL NAVIGATOR GLOBAL LOGISTICS S. DE R.L
DE C.V.
CALZADA ZA VALETA 1306-A, INT. 132
COLONIA SANTA CRUZ BUENAVISTA
PUEBLA PUE 72150 MEXICO
+522225036510
SEA@NGL-MEXICO.COM
Notify Party and address
SAME AS CONSIGNEE

B/L No.
VER267431

FMC Organization No. 025875



General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

ALL COSTS, CHARGES,
LIABILITIES AND DELAYS
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LABELLING OF NON WOODEN
PACKAGING ARE FOR
CUSTOMER'S ACCOUNT

3/05/BRE/528109

Copy

		Place of receipt BREMEN CFS			
Ocean vessel SANTA VIOLA			Port of loading HAMBURG, GERMANY		
Port of discharge VERACRUZ, MEXICO	Place of delivery VERACRUZ CFS	Freight payable BREMEN		Number of original Bills of Lading 0/ZERO	
Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg.	Measurement, m ³
CARGO DETAILS AS PER ATTACHED STATEMENT					

FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA,C.P.06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

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Place and date of issue
BREMEN 30.05.2023

Signed for the Carrier



SACO Shipping GmbH

as agent of carrier SACO SHIPPING LINE LIMITED

Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg.	Measurement, m ³
EISSMANN AUTOMOTIVE MEXICO INV 3756508 STOWED INTO CONTAINER NO.: KKFU7931301	3 PACKAGES	LINEAR DAMPER HS-CODE: 392690		263,000	2,880
				SEAL : WWA030053597	
EISSMANN MEXICO INV 0069696/NP STOWED INTO CONTAINER NO.: KKFU7931301	1 PACKAGE	PROP FOR GLOVEBOX HS CODE: 392630 **HSCODE: 392630**		99,000	0,605
				SEAL : WWA030053597	
EISSMANN AUTOMOTIVE QUERETARO, S. DE R.L. DE C.V. INV 209903 STOWED INTO CONTAINER NO.: KKFU7931301	1 PACKAGE	SPRING W/RUBBER SL. HS-CODE: 732020 **HSCODE: 732020**		305,000	0,787
				SEAL : WWA030053597	
EISSMANN MEXICO INV 63279 STOWED INTO CONTAINER NO.: KKFU7931301	1 PACKAGE	METAL GRID HS-CODE: 852990		130,000	1,344
				SEAL : WWA030053597	
EISSMANN AUTOMOTIVE QUERETARO, S. DE R.L. DE C.V. INV 727368 STOWED INTO CONTAINER NO.: KKFU7931301	2 PACKAGES	MOLDED RUBBER PARTS HS-CODE: 401699 **HSCODE: 401699**		18,600	0,072
				SEAL : WWA030053597	
EISSMANN MEXICO INV: 230008261 STOWED INTO CONTAINER NO.: KKFU7931301	1 PACKAGE	BUFFER HS CODE: 401693		5,300	0,028
				SEAL : WWA030053597	
TOTAL		9 PACKAGES		820,900 KGS	5,716 CBM

Shipper
HANNS G. WERNER GMBH & CO KG
HAFENSTRASSE 9
25436 TORNESCH
DEUTSCHLAND
TAX ID:LLI-811201-IX6

Consigned to order of
LABORATORIOS LIOMONT S.A. DE C.V.
ADOLFO LOPEZ MATEOS 68
COL. CUAJIMALPA,
05000 CIUDAD DE MEXICO MX
MEXIKO
RFC: NSA990325BB9

Notify Party and address
ABSOLUTE BROKERAGE CUSTOMS, S.C.
CALLE BRAVO N600
COL. CENTRO VERACRUZ
91700 VERACRUZ MX
RFC: NSA990325BB9
CONTACTO: SALVADOR VALDES,
MAIL: EJECUTIVO3.VER@ABCSC.MX

Place of receipt
BREMEN CFS

Ocean vessel
SANTA VIOLA
Port of loading
HAMBURG

Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS	Freight payable BREMEN	Number of original Bills of Lading 0/ZERO
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Marks and Nos. LABORATORIOS LIOMONT S.A. DE C.V. MEX - 05000 CUAJIMALPA CENTRO 1/2 - 2/2 MADE IN GERMANY STOWED INTO CONTAINER NO.: KKFU7931301	Quantity of Goods 2 PALETTEN	Description of Goods SUGAR BASED PRODUCTS HS CODE: 1704 9061 PEDIDO: 0073811	Said to contain	Gross weight, kg. 1070,000	Measurement, m ³ 2,707
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SEAL : WWA030053597

TOTAL	2 PALETTEN	1070,000 KGS	2,707 CBM
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FREIGHT COLLECT - SHIPPED ON BOARD **ORIGINALS PRINTED AT DESTINATION**

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA,C.P.06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

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B/L No.
VER267448

FMC Organization No. 025875



General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

3/05/BRE/528115

ALL COSTS, CHARGES,
LIABILITIES AND DELAYS
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Place and date of issue
BREMEN 30.05.2023

Signed for the Carrier



SACO Shipping GmbH

as agent of carrier SACO SHIPPING LINE LIMITED

Shipper
SCHUECO INTERNATIONAL KG
KAROLINENSTRASSE 1-15
33609 BIELEFELD
GERMANY
TAX ID: DE124001363

Consigned to order of
DISENO Y FABRICACION DE CERRAMIENTO
S DE RL DE CV-ACCESO II NO 1 A
BODEGA 2 ZONA INDUSTRIAL BENITO
JUAREZ CP 76130-QRO SANTIAGO DE
QUERETARO
TAX ID: DFC160818RL9

Notify Party and address
SCHUECO USA L.L.L.P.
240 PANE ROAD
U S A - NEWINGTON , CT 06111
TAX ID:06-1500589-T:860-616-0190
SLARA@SCHUCO-USA.COM

B/L No.
VER267450

FMC Organization No. 025875



General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

ALL COSTS, CHARGES,
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3/05/BRE/528116

Copy

		Place of receipt BREMEN CFS	
Ocean vessel SANTA VIOLA		Port of loading HAMBURG	
Port of discharge VERACRUZ		Place of delivery VERACRUZ CFS	Freight payable BREMEN
			Number of original Bills of Lading 0/ZERO
Marks and Nos. DISENO Y FABRICACION, SANTIAGO	Quantity of Goods 5 PACKAGES	Description of Goods BUILDING MATERIAL PVC PROFILES, ALU PROFILES HS: 76042100, 76042990, 83024150, 36169010, 39162000, 83024110, 83022000, 83024190, 63049300, 40082900, 39211390, 40161000, 40169300, 73181410, 39259010, 39269097, 70196600	Said to contain Gross weight, kg. 1898,949 Measurement, m ³ 8,213

STOWED INTO CONTAINER NO.: KKFU7931301

SEAL : WWA030053597

TOTAL **5 PACKAGES** **1898,949 KGS** **8,213 CBM**

FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

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SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA,C.P.06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

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US\$
Ad valorem freight paid:

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Place and date of issue
BREMEN 30.05.2023

Signed for the Carrier



SACO Shipping GmbH

as agent of carrier SACO SHIPPING LINE LIMITED

IMO DANGEROUS GOODS DECLARATION

This form meets the requirements of SOLAS 74, chapter VII, regulation 5; MARPOL 73/78, Annex III, regulation 4 and the IMDG-Code, chapter 5.4

[illegible]

SAFETY DATA SHEET according
to GB/T 16483 and GB/T 17519Version 8.0
Revision Date 03.10.2021
Print Date 24.04.2023
Date of first issue 03.10.2021SDS No. Aldrich - 108456
Product Number Aldrich - 108456

Trimethyl orthoformate

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifiers**

Product name : Trimethyl orthoformate

Product Number : 108456
Brand : Aldrich
CAS-No. : 149-73-5**1.2 Details of the supplier of the safety data sheet**

Company :

西格玛奥德里奇（上海）贸易有限公司
上海市浦东新区仁庆路 509 号 10 幢
邮政编码：201201Merck KGaA
64271 Darmstadt
Germany
Phone: +49 6151 72-0**1.3 Emergency telephone**Emergency Phone # : +(44)-870-8200418 (CHEMTREC (GB))
+(353)-19014670 (CHEMTREC Ireland)
001-803-017-9114 (CHEMTREC India)**1.4 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : For R&D use only. Not for pharmaceutical, household or other uses.

SECTION 2: Hazards identification**Summary of emergency**

clear, liquid colorless pungent Highly flammable liquid and vapor., May be harmful if swallowed or if inhaled., Causes serious eye irritation. Show this material safety data sheet to the doctor in attendance. After inhalation: fresh air. In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. After eye contact: rinse out with plenty of water., Call in ophthalmologist., Remove contact lenses. After

swallowing: immediately make victim drink water (two glasses at most)., Consult a physician. Combustible. Pay attention to flashback. Vapors are heavier than air and may spread along floors. Development of hazardous combustion gases or vapours possible in the event of fire. Forms explosive mixtures with air at ambient temperatures. Violent reactions possible with: Strong oxidizing agents, Water, acids

2.1 GHS Classification

Flammable liquids (Category 2), H225
 Acute toxicity, Oral (Category 5), H303
 Acute toxicity, Inhalation (Category 5), H333
 Serious eye damage/eye irritation (Category 2A), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H225 Highly flammable liquid and vapor.
 H303 + H333 May be harmful if swallowed or if inhaled.
 H319 Causes serious eye irritation.

Precautionary statement(s)

Prevention

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P264 Wash skin thoroughly after handling.
 P280 Wear protective gloves/ eye protection/ face protection.

Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P304 + P312 IF INHALED: Call a POISON CENTER/ doctor if you feel unwell.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a POISON CENTER/ doctor if you feel unwell.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Physical and chemical hazards

H225 Highly flammable liquid and vapor.

2.4 Health hazards

H303 May be harmful if swallowed.
H333 May be harmful if inhaled.
H319 Causes serious eye irritation.

2.5 Environmental hazards

Referring to current information, no environmental hazard.

2.6 Other hazards - none**SECTION 3: Composition/information on ingredients**

Substance / Mixture : Substance

3.1 Substances

Synonyms : Trimethoxymethane

Formula : C₄H₁₀O₃

Molecular weight : 106.12 g/mol

CAS-No. : 149-73-5

EC-No. : 205-745-7

Hazardous ingredients

Component	Classification	Concentration
trimethyl orthoformate	Flammable liquids Category 2; Acute toxicity Category 5; Serious eye damage/eye irritation Category 2A; H225, H303, H333, H319	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures**4.1 Description of first-aid measures****General advice**

Show this material safety data sheet to the doctor in attendance.

If inhaled

After inhalation: fresh air.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

If swallowed

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

4.4 Notes to physician

No data available

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂) Foam Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

Combustible.

Pay attention to flashback.

Vapors are heavier than air and may spread along floors.

Development of hazardous combustion gases or vapours possible in the event of fire.

Forms explosive mixtures with air at ambient temperatures.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition.

Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains. Risk of explosion.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemizorb®).

Dispose of properly. Clean up affected area.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on protection against fire and explosion**

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures

Change contaminated clothing. Wash hands after working with substance.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

Moisture sensitive.

Storage class

Storage class (TRGS 510): 3: Flammable liquids

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Change contaminated clothing. Wash hands after working with substance.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact

Material: butyl-rubber

Minimum layer thickness: 0.3 mm

Break through time: 480 min

Material tested: Butoject® (KCL 897 / Aldrich Z677647, Size M)

Splash contact

Material: butyl-rubber

Minimum layer thickness: 0.3 mm

Break through time: 480 min

Material tested: Butoject® (KCL 897 / Aldrich Z677647, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist

and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Flame retardant antistatic protective clothing.

Respiratory protection

required when vapours/aerosols are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure

Do not let product enter drains. Risk of explosion.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Form: clear, liquid Color: colorless
b) Odor	pungent
c) Odor Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	Melting point: -53 °C at ca.1,013.25 hPa
f) Initial boiling point and boiling range	101 - 102 °C - lit.
g) Flash point	13 °C at ca.1,013.25 hPa - closed cup - DIN 51755 Part 1
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	Upper explosion limit: 44.6 %(V) Lower explosion limit: 1.4 %(V)
k) Vapor pressure	10 hPa at 7 °C
l) Vapor density	3.66 - (Air = 1.0)
m) Density	0.97 g/cm ³ at 25 °C - lit.
Relative density	ca.0.97 at 20 °C - DIN 51757
n) Water solubility	10 g/l at 20 °C
o) Partition coefficient: n-octanol/water	log Pow: 0.09 at 20 °C - Bioaccumulation is not expected.
p) Autoignition temperature	255 °C at 1,013.25 hPa - DIN 51794
q) Decomposition temperature	No data available
r) Viscosity	Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

s) Explosive properties No data available

t) Oxidizing properties none

9.2 Other safety information

Relative vapor density 3.66 - (Air = 1.0)

SECTION 10: Stability and reactivity

10.1 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.2 Possibility of hazardous reactions

Violent reactions possible with:

Strong oxidizing agents

Water

acids

10.3 Conditions to avoid

Avoid moisture.

Warming.

10.4 Incompatible materials

No data available

10.5 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - 3,130 mg/kg

Symptoms: Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

Remarks: (Lit.)

LC50 Inhalation - Rat - male - 4 h - 40 mg/l

Symptoms: Possible damages:, mucosal irritations

Remarks: (ECHA)

Dermal: No data available

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Eye irritation

(OECD Test Guideline 405)

Respiratory or skin sensitization

Maximization Test - Guinea pig

Result: negative
(OECD Test Guideline 406)

Germ cell mutagenicity

Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative
Remarks: (ECHA)

Test Type: Micronucleus test
Species: Mouse

Method: OECD Test Guideline 474
Result: negative

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Additional Information

RTECS: RM6650000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish static test LC50 - Leuciscus idus (Golden orfe) - 412 mg/l - 48 h
(DIN 38412 T15)

Toxicity to bacteria

12.2 Persistence and degradability

Biodegradability aerobic - Exposure time 13 d
Result: 97 % - Readily biodegradable.
Remarks: (ECHA)

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14: Transport information**14.1 UN number**

ADR/RID: 3272

IMDG: 3272

IATA-DGR: 3272

14.2 UN proper shipping name

ADR/RID: ESTERS, N.O.S. (trimethyl orthoformate)

IMDG: ESTERS, N.O.S. (trimethyl orthoformate)

IATA-DGR: Esters, n.o.s. (trimethyl orthoformate)

14.3 Transport hazard class(es)

ADR/RID: 3

IMDG: 3

IATA-DGR: 3

14.4 Packaging group

ADR/RID: II

IMDG: II

IATA-DGR: II

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA-DGR: no

14.6 Special precautions for user

Based on chemical properties, choose appropriate tools and conditions of transport.

Transporting tools shall be equipped with appropriate and sufficient firefighting equipment and emergency leaking installations. If transporting by road, please go along the specified route.

14.7 Incompatible materials

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****Regulations on Safety Management of Hazardous Chemicals**

Catalogue of Hazardous Chemicals : Listed

Other regulations

Please pay attention on the waste treatment should also comply with local regulations requirement.

SECTION 16: Other information**Full text of H-Statements referred to under sections 2 and 3.**

H225	Highly flammable liquid and vapor.
H303	May be harmful if swallowed.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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Shipper
INTERFRACHT CONTAINER OVERSEAS
SERVICE GMBH - AS AGENT FOR AND ON
BEHALF OF ICOS LINE LTD. AS CARRIER
BERGIUSSTR. 1
28816 STUHR, GERMANY
TAX ID:DE114417459

Consigned to order of
INTERFREIGHT DE MEXICO, S.A. DE C.V
RETORNO 28 DE FRAY SERVANDO T DE MI
INT 4 COL JARDIN
RFC-NO: IME970516TH9
BALBUENA CP 15900 , MEXICO

Notify Party and address
SAME AS CONSIGNEE
TEL.:+52 (55) 2643 2257/ (55) 5786-
MAIL: CLAUDIA.MEJIA@INTERFREIGHT.MX

B/L No.
VER267456

FMC Organization No. 025875



General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

ALL COSTS, CHARGES,
LIABILITIES AND DELAYS
RESULTING FROM EMERGENCY
QUARANTINE FOR WOOD AND
WOODEN PACKAGING OR FROM
INSUFFICIENT OR IMPROPER
LABELLING OF NON WOODEN
PACKAGING ARE FOR
CUSTOMER'S ACCOUNT

3/05/BRE/528117

Copy

		Place of receipt BREMEN CFS	
Ocean vessel SANTA VIOLA		Port of loading HAMBURG	
Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS		Freight payable BREMEN
		Number of original Bills of Lading 0/ZERO	
Marks and Nos. 2503521 (2001313837)	Quantity of Goods 1 PALLET	Description of Goods 5 STEEL DRUMS UN 3272, ESTERS, N.O.S. (TRIMETHYL ORTHOFORMATE) CLASS 3, PG II, FLP +13DGR.C HS-CODE: 29159070 UN 3272/CLASS 3/PG II IMO GROSS WEIGHT: 310,000 KGS IMO NET WEIGHT : 278,390 KGS	Said to contain Gross weight, kg. 310,000 Measurement, m³ 0,912

STOWED INTO CONTAINER NO.: KKFU7931301

SEAL : WWA030053597

TOTAL **1 PALLET** **310,000 KGS** **0,912 CBM**

FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA,C.P.06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

The Carrier in accordance with the provisions contained on this side and on the reverse side of this document;

- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
- assumes liability as prescribed in this document for such transport.

One of the Bills of Lading to be surrendered duly endorsed in exchange for the Goods or delivery order.

IN WITNESS whereof three (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue
BREMEN 30.05.2023

Signed for the Carrier



SACO Shipping GmbH

as agent of carrier SACO SHIPPING LINE LIMITED

Shipper
NGL NAVIGATOR GLOBAL LOGISTICS GMBH
FELIX-WANKEL-STRASSE 3
STUHR NI 28816 GERMANY
TAX ID:DE814839526

Consigned to order of
NGL NAVIGATOR GLOBAL LOGISTICS S. DE R.L
DE C.V.
CALZADA ZAVALA 1306-A, INT. 132
COLONIA SANTA CRUZ BUENAVISTA
PUEBLA PUE 72150 MEXICO
+522225036510
SEA@NGL-MEXICO.COM

Notify Party and address
SAME AS CONSIGNEE

B/L No.
VER267459

FMC Organization No. 025875



General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

ALL COSTS, CHARGES,
LIABILITIES AND DELAYS
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INSUFFICIENT OR IMPROPER
LABELLING OF NON WOODEN
PACKAGING ARE FOR
CUSTOMER'S ACCOUNT

3/05/BRE/528118

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		Place of receipt BREMEN CFS			
Ocean vessel SANTA VIOLA		Port of loading HAMBURG, GERMANY			
Port of discharge VERACRUZ, MEXICO		Place of delivery VERACRUZ CFS		Freight payable BREMEN	
				Number of original Bills of Lading 0/ZERO	
Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg.	Measurement, m ³
AUTOMOTIVE CARRIER AND PROTECTION SYSTEMS MEXICO S.A. DE C.V DEL.: SG2023/00443, SG2023/00453, SG2023/00454 STOWED INTO CONTAINER NO.: KKFU7931301	3 PALLETS	AUTOMOTIVE SPARE PARTS HS CODE: 870899		3615,000	2,286
				SEAL : WWA030053597	
AUTOMOTIVE CARRIER AND PROTECTION SYSTEMS MEXICO S.A. DE C.V INV.: 482305 STOWED INTO CONTAINER NO.: KKFU7931301	1 PACKAGE	GASKETS HS-CODE: 401693		35,000	0,384
				SEAL : WWA030053597	
TOTAL		4 PACKAGES		3650,000 KGS	2,670 CBM

FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA,C.P.06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

The Merchant's attention is called to the fact that according to Clauses 11 to 13 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay

RECEIVED for shipment the above mentioned Goods in apparent good order and condition as far as could be ascertained by exercising reasonable means of checking or as stated above.

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- undertakes to perform or to procure the performance of the entire transport from the place at which the Goods are taken in charge to the place designated for delivery in this document, and
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Place and date of issue
BREMEN 30.05.2023

Signed for the Carrier



SACO Shipping GmbH

as agent of carrier SACO SHIPPING LINE LIMITED

Shipper
NGL NAVIGATOR GLOBAL LOGISTICS GMBH
FELIX-WANKEL-STRASSE 3
STUHR NI 28816 GERMANY
TAX ID:DE814839526

B/L No.
VER267471

FMC Organization No. 025875



General Agent
SACO Shipping GmbH
Wollkaemmereistrasse 1
21107 Hamburg - Germany

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WOODEN PACKAGING OR FROM
INSUFFICIENT OR IMPROPER
LABELLING OF NON WOODEN
PACKAGING ARE FOR
CUSTOMER'S ACCOUNT

3/05/BRE/528120

Copy

		Place of receipt BREMEN CFS	
Ocean vessel SANTA VIOLA		Port of loading HAMBURG, GERMANY	
Port of discharge VERACRUZ, MEXICO	Place of delivery VERACRUZ CFS		Freight payable BREMEN
		Number of original Bills of Lading 0/ZERO	
Marks and Nos. TUNKERS MEXICO 315104,0725	Quantity of Goods 2 PACKAGES	Description of Goods MACHINERY PARTS INV: 80269324, 80269358, 80269457 HS-CODE: 847990, 853710	Said to contain Gross weight, kg. 1447,000 Measurement, m ³ 1,661

STOWED INTO CONTAINER NO.: KKFU7931301

SEAL : WWA030053597

TOTAL	2 PACKAGES	1447,000 KGS	1,661 CBM
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FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVIC. INTERNACION. DE COMERCIO
COLIMA 114 DESPACHO 201
COLONIA ROMA,C.P.06700, MEXICO DF
PH: 514-69 15 FX: 208-79-8
INT-961206-ES7

Declared Value of the Goods (see clause 12)
US\$
Ad valorem freight paid:

Note:

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