

Ships Bag for MB/L ONEYHAMF01265900

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SACO RG5612529 54607178.pdf	1
ATM VER PL Sheet Januar 2025.pdf	2
01877 MANIFEST 5029903.pdf	3
MF01265900 seaway 20250127213114.pdf	7
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TYP: Externes B/L	11
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TYP: B/L	13
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SACO Shipping GmbH · Bürgermeister-Smidt-Str. 128 · 28195 Bremen

NVOCC Services worldwide

Bremen, 28. January 2025

Interteam S.A. de C.V.
Servicios Int.
Calle Colima #114 Desp. 201, Colonia Roma,
06700 C.P.MEXICO D.F
MX MEXICO

RECHNUNG/INVOICE EXPORT

JOL / JOL / JOL

CUSTOMER-Ref.: DE24016714/EVA

Leistungsdatum : 23.01.2025

INVOICE-No	INVOICE-Date	CUSTOMER-No	SACO-Ref.	B/L-Ref.	Your VAT-ID	R.O.E
5612529	28.01.2025	020896	5/01/BRE/526200	5/01/BRE/5262		0.9847

Vessel:

Destination:

Online-Ref:

Delivery:

Pieces	Gross KOS	Volumen CBM
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SACO REF.: VESSEL: PORT: ETA: CONTAINER:
5/01/BRE/5262 AL MANAMAH VERACRUZ 05.02.2025 TRHU 689 436 0

Pos.	Description	Rate	Amount	Tax
1	AS PER PL SHEET	1566.53 USD	1566.53	

NO VAT ON	VAT ON	TOTAL VAT	VAT	TOTAL AMOUNT USD
1566.53	0	0	19%	1566.53

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
Telefon: +49 40 311706-0
Telefax: +49 40 311706-100

Buchhaltung
Telefon: +49 421 52016 315
Telefax: +49 421 52016 317
VAT-ID: DE-118597456
account@saco.de

**Volksbank Lüneburger Heide eG
US Dollar Account**
BLZ 240 603 00, Kto-Nr. 4 600 360 605
SWIFT-BIC: GENO DE F1 NBU
IBAN DE 19 2406 0300 4600 3606 05

**Volksbank Lüneburger Heide eG
Euro Account**
BLZ 240 603 00, Kto-Nr. 4 600 360 600
SWIFT-BIC: GENO DE F1 NBU
IBAN DE 57 2406 0300 4600 3606 00

**Commerzbank AG
Euro Account**
BLZ 200 800 00, Kto-Nr. 6 510 954 00
SWIFT-BIC: DRES DE FF 200
IBAN DE 96 2008 0000 0651 0954 00

Internet: <https://sacoshipping.com> · E-Mail: info@saco.de · Geschäftsführer: Harald Pahl, Andrea Briks, Christian Wahl · Gerichtsstand: Hamburg · Sitz Hamburg · HRB 40128 · Finanzamt: Hamburg-Harburg
SACO Shipping GmbH handelt bei Seetransporten einschließlich Vorlauf- und Nachlauftransporten ausschließlich als Agent von SACO Shipping Line Limited, Limassol/Zypern.
SACO Shipping Line Limited Limassol arbeitet ausschließlich nach ihren jeweils gültigen Konnossements-Bedingungen, auch wenn kein Konnossement ausgestellt wurde.
Diese Bedingungen können bei den jeweiligen Büros und/oder unter sacoshipping.com eingesehen werden.

amended on: 05.10.2023 by ECH

Mexico PL-Sheet 2024

valid from October 1st 202

SACO Ref.: 5/01/BRE/5262 Vessel: AI MANAMAH Port: Veracruz ETA: 05.02.2025 Container: TRHU 689 436 0



B/L	COLLECT	Incl.Special charges	Doc fee	Unstuffing	Admin Fee	Transm.Fee	Port Transf	On Carriage	0,00 USD	Quote No.:
VER276796										
VER276839										
VER277022	68,17									
VER277024										
VER277051										
VER277052										
28872836										
VER277070	46,00									
VER277076										
VER640478	75,07									
VER277095	150,00									
VER277127										
VER277148										
VER277149										
	339,24		0,00	0,00	0,00	0,00	0,00		0,00	

COLLECT FREIGHT TOTAL

339,24 USD 339,24 USD debit to Interteam

RELEASE FEE

0,00 USD

UNSTUFFING

0,00 USD

ADMIN FEE

0,00 USD

TRANSMISSION FEE

0,00 USD

CREDIT FOR ON CARRIAGE

0,00 USD

PORT TRANSFER

0,00 USD

kickback as agreed USD 24,00 w/m from B/L

date 01.10.2023 FRT:

51,137

1.227,29 USD

1.227,29 USD debit to Interteam

Hartrodt Kickback USD 4,50 w/m

FRT:

0,00 USD

0,00 USD debit to Interteam

Quick Cargo Kickback USD 3,- w/m

FRT:

0,00 USD

BDP / ED Forwarding Kickback USD 4,- w/m

FRT:

0,00 USD

Linkin / Europartner Kickback USD 4,-w/m

FRT:

0,00 USD

DHL compensation USD 20,-w/m

FRT:

0,00 USD

Toll compensation USD 2,-w/m

FRT:

0,00 USD

Toll compensation + USD 2,-min (to add manually !!!)

TOTAL AMOUNT

1.566,53 USD

CREDIT OR DEBIT TO INTERTAEM

Agreed special PLC :

SHIPPER	Consignee	Doc fee	Unstuffing	Admin	Tranmiss.	Port Transfer
Würth	Knipping/Globaltranz	USD 50,-	USD 28,-w/m			
Hansa Gateway	all	USD 70,-	USD 33,-w/m			
Geodis	Geodis	USD 37,-	USD 22,-w/m	USD 11,-	USD 11,-	USD 11,-w/m

Manifest

Page: 1

Container-No.: TRHU6894360 40' HIGH CUBE CONTAINER Seal-No.: K497143
Vessel: SAC5245 / AL MANAMAH
ETS:
Master-B/L.: ONEYHAMF01265900

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
28872836	DAP QUERETARO	1	PACKAGE	S.T.C. PLASTIC BAGS HS CODE 3923.21	308.000	1.476
VER276796	EISSMANN AUTOMOTI VE DE MEXICO S.A. D E C.V. REFORMA SUR NO.27 NAVE1 90796 PANZACOLA MEXIKO	1	UNPACKED	PARTS FOR MACHINES HS CODE: 84519000 THE PACKAGING IS NOT TRANSPORT RELATED PACKED. ACCORDING TO CHAPTER 11 / PARAGRAPH C OF THE CARRIERS B/L TERMS AND CONDITIONS. THE CARRIER WILL NOT ASSUME ANY RESPONSIBILITY FOR DAMAGES INCURRES BETWEEN THE TIME OF RECEPTION OF THE CARGO AT HAMBURG CFS UNTIL DELIVERY TO THE CONSIGNEE AT POD.	104.000	0.242

Manifest

Page: 2

Container-No.: TRHU6894360 40' HIGH CUBE CONTAINER Seal-No.: K497143
Vessel: SAC5245 / AL MANAMAH
ETS:
Master-B/L.: ONEYHAMF01265900

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
VER276839	FEDERAL MOGUL POW ERTRAIN FORJAS Y MAQUINAS S DE RL DE CV JESUS RIVERA FRAN CO 402 CD. INDUSTRIAL AGUASC ALIENTES AGS 2029 O, MEXICO	3	PALLETS	300KG BINAL (NATRIUM IN TIN FOIL) UN 1428, NATRIUM, 4.3, IL (B/E) ORDER:24.12.9-AS HS-CODE:28051100 UN 1428/CLASS 4.3/PG I IMO GROSS WEIGHT: 390,000 KGS IMO NET WEIGHT : 300,000 KGS SODIUM SODIUM	390.000	1.598
VER277022	RILSA 2000 S.A. DE CV MEXICO REF.:415641 + 415642	4	PACKAGES	BEARINGS HS: 83022000	1226.000	1.482
VER277024	VIBRACOUSTIC TOLUCA TOLUCA, MX DN 43882361, 43882363	12	PALLETS	DAMPER, AUTOMOTIVE PARTS 144 CARTONS ON 12 PALLETS HS-CODE: 870899	2239.440	10.214

Manifest

Page: 3

Container-No.: TRHU6894360 40' HIGH CUBE CONTAINER Seal-No.: K497143
 Vessel: SAC5245 / AL MANAMAH
 ETS:
 Master-B/L.: ONEYHAMF01265900

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
VER277051	PO 4506935360	3	PALLETS	121 PAPERBAGS HEUCODUR YELLOW 255 (P) HS CODE: 32064970 *EDO. MEXICO, MEXICO RFC CPA150831D6A PHONE:(5255) 53 87 32 50 - 53 87 32 84 ** LOGISTIC HEUBACH MX (COL) MAIL: LOGISTICS_HEUBACH	3121.300	5.148
VER277052	LCL / LCL TECNOLOGICA GESELLSCHAFT FUER HIGH TECH MATERIALIEN UND VERFAHREN GMBH PR24-0304 HITACHI ASTEMO MEXICO S.A. DE C.V. P/O M249619	1	CASE	MASTER ALLOY HS-CODE: 7604 29 10	535.000	0.465
VER277070	4515039839	1	CASE	MOULDS FOR GLASS HS CODE 848050	435.000	0.547
VER277076	86173514 / 1-9 86173367 / 1-1 86173312 / 1-1	11	PACKAGES	AUTOMOTIVE PARTS HS-CODE 90262020 INKL. UN3091, LITHIUM METAL BATTERI ES CONTAINED IN EQUIPMENT, CLASS 9 NEW COI JAPAN 2932 KG GROSS 2660 KG NET	3227.000	15.061

Manifest

Page: 4

Container-No.: TRHU6894360 40' HIGH CUBE CONTAINER Seal-No.: K497143
Vessel: SAC5245 / AL MANAMAH
ETS:
Master-B/L.: ONEYHAMF01265900

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
VER277095	AMERICAN INDUSTRI ES DE QUERETARO S .A.DE 81955247	1	PALLET	ANGULAR TAB HEADER HS CODE: 85366930	117.000	0.365
VER277127	TUNKERS MEXICO 01441 340492	2	PALLETS	MACHINERY PARTS HS-CODE: 392690,761090, 847990, 853710	939.000	1.812
VER277148	VIBRACOUSTIC TOLUCA TOLUCA, MX DN 43891951, 43891954	10	PALLETS	DAMPER, AUTOMOTIVE PARTS 120 CARTONS ON 10 PALLETS HS-CODE: 870899	1863.680	9.223
VER277149	BINZEL S.A. DE C.BV. MUNICIPIO DE TEPEZAL #109 VALLE DE AGUASCALIENTES 20358 SAN FCA DE LOS ROMO MEXICO REF# 32500004 + 32403538	2	PACKAGES	WELDING TORCHES AND SPAREPARTS REF# 32500004 + 32403538 HS CODES: 851590, 391732, 391739, 400931, 731815, 851590	584.000	1.872
VER640478	EI REF: 622218278	2	PALLETS	GENERAL CONTRACT RATE: 2 PALLETS STC SENSORS HTS#853890 CONNECTOR CABLE HTS#854420 GROSS WEIGHT: 242 KG SENSORS FREIGHT COLLECT	242.000	1.632

Total**Quantity
54****Grossweight
15.331.420****Measurement
51.137**

SHIPPER/EXPORTER SACO SHIPPING GMBH AS AGENT OF SACO SHIPPING LINE LTD BGM.-SMIDT-STR.128 D-28195 BREMEN GERMANY / DE118597456		BOOKING NO. HAMF01265900	SEA WAYBILL NO. ONEYHAMF01265900
CONSIGNEE INTERTEAM, S.A. DE C.V. TAX ID IS: INT961206ES7 SERVICIOS INTERNACIONALS DE COMERCIO COLIMA 114 DESPACHO 201,		EXPORT REFERENCES (for the Merchant's and/or Carrier's reference only. See back clause 8. (4).) 501BRE5262 NMA 201941	
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. TAX ID IS: INT961206ES7		FORWARDING AGENT-REFERENCES Non BCO FMC NO.	
PRE-CARRIAGE BY		PLACE OF RECEIPT HAMBURG, HH	
OCEAN VESSEL VOYAGE NO. FLAG AL MANAMAH 011W		PORT OF LOADING HAMBURG, HH	
PORT OF DISCHARGE VERACRUZ		PLACE OF DELIVERY VERACRUZ	
		FINAL DESTINATION (for the Merchant's reference only) 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
TRHU6894360 / K497143			/ 54 PACKAGES /FCL / FCL/40HQ	15331.420KGS/51	1.137M3
EISSMANN AUTOMOTI VE DE MEXICO S.A. D E C.V. REFORMA SUR NO.27 NAVE1 90796 PANZACOLA MEXIKO	1 H PACKAGE		PARTS FOR MACHINES HS CODE: 84519000 THE PACKAGING IS NOT TRANSPORT RELATED PACKED. ACCORDING TO CHAPTER 11 / PARAGRAPH C OF THE CARRIERS B/L TERMS AND CONDITIONS. THE CARRIER	104.000KGS	0.242CBM

** 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 23 JAN 2025	
						PLACE OF BILL(S) ISSUE HAMBURG	
						DATED 23 JAN 2025	
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: AL MANAMAH 011W

B/L NO.: ONEYHAMF01265900

CNTR NOS. W/SEAL NOS. MARKS & NUMBERS	QUANTITY (FOR CUSTOMS DECLARATION ONLY)	H M	DESCRIPTION OF GOODS	GROSS WEIGHT	MEASUREMENT
			WILL NOT ASSUME ANY RESPONSIBILITY FOR DAMAGES INCURRED BETWEEN THE TIME OF RECEPTION OF THE CARGO AT HAMBURG CFS UNTIL DELIVERY TO THE CONSIGNEE AT POD.		
FEDERAL MOGUL POW ERTRAIN FORJAS Y MAQUINAS S DE RL DE CV JESUS RIVERA FRAN CO 402 CD. INDUSTRIAL AGUASC ALIENTES AGS 2029 0, MEXICO	3 PACKAGES		300KG BINAL (NATRIUM IN TIN FOIL) UN 1428, NATRIUM, 4.3, IL (B/E) ORDER:24.12.9-AS HS-CODE:28051100 UN 1428/CLASS 4.3/PG I IMO GROSS WEIGHT: 390,000 KGS IMO NET WEIGHT : 300,000 KGS SODIUM SODIUM	390.000KGS	1.598CBM
RILSA 2000 S.A. DE CV MEXICO REF.:415641 + 415642	4 PACKAGES		BEARINGS HS: 83022000	1226.000KGS	1.482CBM
VIBRACOUSTIC TOLUCA TOLUCA, MX DN 43882361, 43882363	12 PACKAGES		DAMPER, AUTOMOTIVE PARTS 144 CARTONS ON 12 PALLETS HS-CODE: 870899	2239.440KGS	10.214CBM
PO 4506935360 .	3 PACKAGES		121 PAPERBAGS HEUCODUR YELLOW 255 (P) HS CODE: 32064970 *EDO. MEXICO, MEXICO RFC CPA150831D6A PHONE:(5255) 53 87 32 50 - 53 87 32 84 ** LOGISTIC HEUBACH MX (COL) MAIL: LOGISTICS-HEUBACH-MX@HEUBA CH.COM	3121.300KGS	5.148CBM
LCL / LCL TECNOLOGICA GESELLSCHAFT FUER HIGH TECH MATERIALIEN UND VERFAHREN	1 PACKAGE		MASTER ALLOY HS-CODE: 7604 29 10	535.000KGS	0.465CBM

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

, as agent for and on behalf of

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

ORIGINAL NON NEGOTIABLE

VESSEL VOYAGE: AL MANAMAH 011W

B/L NO.: ONEYHAMF01265900

CNTR NOS. W/SEAL NOS. MARKS & NUMBERS	QUANTITY (FOR CUSTOMS DECLARATION ONLY)	H M	DESCRIPTION OF GOODS	GROSS WEIGHT	MEASUREMENT
GMBH PR24-0304 HITACHI ASTEMO MEXICO S.A. DE C.V. P/O M249619					
DAP QUERETARO	1 PACKAGE		S.T.C. PLASTIC BAGS HS CODE 3923.21	308.000KGS	1.476CBM
4515039839	1 PACKAGE		MOULDS FOR GLASS HS CODE 848050	435.000KGS	0.547CBM
86173514 / 1-9 86173367 / 1-1 86173312 / 1-1	11 PACKAGES		AUTOMOTIVE PARTS HS-CODE 90262020 INKL. UN3091, LITHIUM METAL BATTERI ES CONTAINED IN EQUIPMENT, CLASS 9 NEW COI JAPAN 2932 KG GROSS 2660 KG NET	3227.000KGS	15.061CBM
AMERICAN INDUSTRI ES DE QUERETARO S .A.DE 81955247	1 PACKAGE		ANGULAR TAB HEADER HS CODE: 85366930	117.000KGS	0.365CBM
TUNKERS MEXICO 01441 340492	2 PACKAGES		MACHINERY PARTS HS-CODE: 392690,761090, 847990, 853710	939.000KGS	1.812CBM
VIBRACOUSTIC TOLUCA TOLUCA, MX DN 43891951, 43891954	10 PACKAGES		DAMPER, AUTOMOTIVE PARTS 120 CARTONS ON 10 PALLETS HS-CODE: 870899	1863.680KGS	9.223CBM
BINZEL S.A. DE C.BV. MUNICIPIO DE TEPEZAL #109 VALLE DE AGUASCALIENTES 20358 SAN FCA DE LOS ROMO MEXICO REF# 32500004 + 32403538	2 PACKAGES		WELDING TORCHES AND SPAREPARTS REF# 32500004 + 32403538 HS CODES: 851590, 391732, 391739, 400931, 731815, 851590	584.000KGS	1.872CBM
EI REF: 622218278	2 PACKAGES		GENERAL CONTRACT RATE: 2 PALLETS STC SENSORS HTS#853890 CONNECTOR CABLE HTS#854420 GROSS WEIGHT: 242 KG	242.000KGS	1.632CBM

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: AL MANAMAH 011W

B/L NO.: ONEYHAMF01265900

CNTR NOS. W/SEAL NOS. MARKS & NUMBERS	QUANTITY (FOR CUSTOMS DECLARATION ONLY)	H M	DESCRIPTION OF GOODS	GROSS WEIGHT	MEASUREMENT
			SENSORS		

OCEAN FREIGHT PREPAID SHIPPED ON BOARD SHIPPER'S LOAD, STOW AND COUNT					
AS PER MEXICAN CUSTOMS AUTHORITY REGULATION, THE INFORMATION IN THE MASTER BILL OF LADING BL CAN BE AMENDED BEING SUBJECT TO CUSTOMS PENALIZATION TO DECLARE INCORRECT INFORMATION; IF THIS BILL OF LADING IS AMENDED AND ONE OCEAN NETWORK EXPRESS SHIPPING MEXICO SA DE CV OR ANY AGENCY ON THEIR REPRESENTATION IS NOTIFIED ABOUT ANY PENALIZATION, THE SAME WILL BE UNDER SHIPPER OR CONSIGNEE RESPONSIBILITY. 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.					
EXPRESS RELEASE VER276796 VER276839 VER277022 VER277024 VER277051 VER277052 28872836 VER277070 VER277076 VER277095 VER277127 VER277148 VER277149 VER640478					
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

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS) HOLSHIP DANMARK A/S BALTIC KAJ 5 4600 KØGE		BOOKING NO. 28872836	BILL OF LADING NO. 28872836
		EXPORT REFERENCES 25012983 77454	
CONSIGNEE (NOT NEGOTIABLE UNLESS CONSIGNED TO ORDER) CH ROBINSON AV. INSURGENTES SUR 800 17TH FLOOR 03100 MEXICO CITY MEXICO		FORWARDING AGENT, F.M.C. NO HOLSHIP DANMARK A/S BALTIC KAJ 5 4600 KØGE DENMARK DK 59434600 59441033	
		POINT AND COUNTRY OF ORIGIN OF GOODS	
NOTIFY PARTY (COMPLETE NAME AND ADDRESS) SAME AS CONSIGNEE MAIL ID: ** PLEASE ADVISE ** ??? TAX ID: ** PLEASE ADVISE ** ???		FOR DELIVERY PLEASE APPLY TO INTERTEAM S.A.DE C.V. COLIMA 114 DESPACHO 201 COLONIA ROMA, C.P. 06700 MEXICO D.F. MEXICO PHONE: 0052-551-469-15	
PRE-CARRIAGE BY*	PLACE OF RECEIPT BY PRE-CARRIER*	TRANSSHIPMENT PORT	
	DOOR LILLE SKENSVED TO COPENHAGEN		
EXPORT CARRIER (VESSEL/VOY/FLAG) AL MANAMAH 011W	PORT OF LOADING HAMBURG	LOADING PIER/TERMINAL DOOR/DOOR	2501273011
PORT OF DISCHARGE VERACRUZ	PLACE OF DELIVERY BY ON CARRIER* DAP QRO, C.P. 76223 QUERÉTARO	NUMBER OF ORIGINALS 0/EXPRESS	

PARTICULARS FURNISHED BY SHIPPER				
MARKS & NOS/CONTAINER NOS	NO. OF PKGS	DESCRIPTION OF PACKAGES AND GOODS	GROSS WEIGHT	MEASUREMENT
DAP QUERETARO	1	PACKAGE S.T.C. PLASTIC BAGS HS CODE 3923.21 FREIGHT PREPAID	679.024 Lbs 308.000 Kgs	52.125 Cbf 1.476 Cbm

For notification purpose only

Container: TRUC0000000/26112024
 Size/Type: 40' High Cube Dry Container

Page 1 of 1

Total: 679.024 Lbs
 308.000 Kgs

52.125 Cbf
 1.476 Cbm

SHIPPERS DECLARED VALUE \$ SUBJECT TO EXTRA FREIGHT AS PER TARIFF AND CLAUSE 8 (3) OF THIS B/L				
FREIGHT & CHARGES	BASIS	RATE	PREPAID	COLLECT
RECEIVED by Carrier, so far as can be reasonably ascertained, in external apparent good order and condition (unless otherwise stated herein) the Goods as specified above for carriage from the Place of Receipt or Port of Loading to the Port of Discharge or Place of Delivery, whichever is applicable. Notwithstanding any local customs or privileges to the contrary, Merchant agrees on acceptance of contract or acceptance or notice of this Bill to be bound, and that the Goods and Services as evidenced herein are subject to, all terms of the Bill including but not limited to Defences (as defined), indemnities, liberties and the law & jurisdiction provisions hereof whether appearing on the front or reverse or whether printed or stamped or otherwise incorporated herein and in the Carrier's Tariff, as if all signed by the Merchant. Above particulars of the Goods and address details are as provided and as declared by Merchant			TOTAL	TOTAL

RECEIVED by Carrier, so far as can reasonably be ascertained, in external apparent good order and condition (unless otherwise stated herein) the Goods as specified above for carriage from the Place of Receipt or Port of Loading to the Port of Discharge or Place of Delivery, whichever is applicable. **Notwithstanding** any local customs or privileges to the contrary, Merchant agrees on acceptance of contract or acceptance of notice of this Bill to be bound, and that all such Goods and Carriage Charges are subject to the terms hereof, notwithstanding that the said Bill may be issued under the seal of the Consulate, and the jurisdiction provisions hereof shall appear upon the front or reverse of the bill printed or stamped or otherwise incorporated herein and in the Carrier's Tariff, as if all signed by the Merchant. Above particulars of the Goods and address details are as provided and as declared by Merchant and are stated without warranty, liability or responsibility as to correctness by Carrier. Where the Bill is non-negotiable and unless Merchant gives written notice of withdrawal, it grants authority to the Carrier to deliver the Goods to the consignee named therein, and the Carrier is authorized to give delivery of the Goods to the named consignee at the consignee's box above (subject to payment of outstanding Freight and Charges), upon reasonable proof of identity and without the surrendering of any Original Bill. The Bill is negotiable (To Order / or) in accordance with the terms of this Bill, one original Bill of Lading, duly endorsed, must be surrendered by the Merchant to the Carrier (together with payment of outstanding Freight and Charges) in exchange for the Goods or a receipt therefor. If the Bill is negotiable, the Bill must be presented to the Carrier for endorsement as set forth above, all of this tenor date, and where required by this Bill one original Bill of Lading has been surrendered all other Bills of Lading shall be void.

DATED
AT COPENHAGEN ON JAN 16, 2025
BY SHIPCO TRANSPORT, AS CARRIER

Shipper
MAURICE WARD LOGISTICS GMBH
IM GEISBAUM 13
63329 EGELSBACH
GERMANY
TAX NO.: DE815070350

B/L No.
VER276796



SACO SHIPPING LINE LTD

Consigned to order of
ASIA PACIFIC EXPRESS LOGISTICS,
S. DE R.L. DE C.V.
VIADUCTO RIO BECERRA 461 4,
NAPOLES, CDMX, MEXICO 03810
RFC: APE120925U97

Notify Party and address
THE SAME AS CONSIGNEE
CINTIA.ROJAS@APEXGLOBE.COM

SACO SHIPPING LINE LIMITED
44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

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

5/01/BRE/526201

Copy

		Place of receipt DEGGINGEN	
Ocean vessel AL MANAMAH		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. EISSMANN AUTOMOTI VE DE MEXICO S.A. D E C.V. REFORMA SUR NO.27 NAVE1 90796 PANZACOLA MEXIKO	Quantity of Goods 1 UNPACKED	Description of Goods PARTS FOR MACHINES HS CODE: 84519000 THE PACKAGING IS NOT TRANSPORT RELATED PACKED. ACCORDING TO CHAPTER 11 / PARAGRAPH C OF THE CARRIERS B/L TERMS AND CONDITIONS. THE CARRIER WILL NOT ASSUME ANY RESPONSIBILITY FOR DAMAGES INCURRES BETWEEN THE TIME OF RECEPTION OF THE CARGO AT HAMBURG CFS UNTIL DELIVERY TO THE CONSIGNEE AT POD.	Said to contain Gross weight, kg. 104,000 Measurement, m ³ 0,242

STOWED INTO CONTAINER NO.: TRHU6894360

SEAL : K497143

TOTAL **1 UNPACKED** **104,000 KGS** **0,242 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 23.01.2025

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Bürgermeister-Smidt-Str. 128
28195 Bremen
Germany



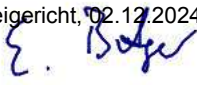
As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



BEFÖRDERUNGSDOKUMENT FÜR GEFÄHRLICHE GÜTER

nach §8 GGVSee (IMO-ERKLÄRUNG) TRANSPORT DOCUMENT FOR DANGEROUS GOODS (IMO-DANGEROUS GOODS DECLARATION)

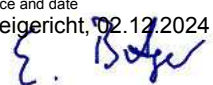
Dieses Formular entspricht SOLAS 74, Kapitel VII Regel 4; MARPOL 73/78, Anlage III, Regel 4 und dem IMDG-Code, Kapitel 5.4
This form meets the requirements of SOLAS 74, chapter VII regulation 4; MARPOL 73/78, Annex III, Regulation 4 and the IMDG-Code, Chapter 5.4

Versender (Name & Anschrift) – Shipper (Name & Adresse) Dr. Bilger Umweltconsulting GmbH Gewerbepark Birkenhain 7a D-63579 Freigericht		Buchungsnummer(n) – Reference number(s) Seite 1 von 1			
Empfänger – Consignee FORJAS Y MAQUINAS S DE RL DE CV Y/O UPS SCS Mexico S.A de C.V Eugenia 189 Col. Narvarte Oriente Del. Benito Juarez Ciudad de Mexico, C.P. 030230 TAX ID: UPS891122HV8 fidelantonio.delalanza@tenneco.com		Beförderer – Carrier VECTOR Spedition- und Handels GmbH Aschaffener Str. 82 D-63801 Kleinostheim Per Mail: ops@vector-gmbh.de			
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-No.: Name/Funktion, Unternehmen/Organisation des Unterzeichners Name/status, company/organization of signatory Ort und Datum Place and date Unterschrift für den Packer Signature on behalf of packer			
Schiffsname und Nummer der Reise Ship's name and voyage No.		Ladehafen Port of loading			
Löschhafen – Port of discharge Veracruz, Mexico		Frei für Text, Anweisungen und sonstige Angaben Reserved for text, instructions or other matter EMERGENCY CONTACT: Dr. Edgar Bilger Phone: +49-6051-9166951 and +49-172-9863727 (24 hours)			
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	Markierung der Versandstücke Falls zutreffend, Identifikations-Nummer oder amtl. Kennzeichen Marks & Nos, if applicable, identification or registration number(s) of the Unit	Anzahl und Verp.-Art No. and kind of packages
1428	Sodium	4.3	I	Natrium Sodium BINAL (Sodium in Aluminium foil)	3 steel drums on three EWP- pallet (80x60x110cm) Packaging code 1A2
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 **		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
Gross weight: 390 kg Net weight: 300 kg		EMS F-G, S-N	Sodium reacts violently with water		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.)
* Marken- oder Herstelleramen allein sind nicht ausreichend. Falls zutreffend: (1) das Wort „ABFALL“ vor den Namen setzen; (2) „LEER UNGEREINIGT“ oder „RÜCKSTÄNDE – ZULETZT ENTHALTEN“ hinzufügen; (3) „BEGRENZTE MENGE“ hinzufügen. ** Falls nach Kapitel 5.4 IMDG-Code erforderlich; *** Nur bei Stoffen der Klasse 1; --- * Proprietary/trade names alone are not sufficient. If applicable: (1) the word „WASTE“ should precede the name; (2) „EMPTY UNCLEANED“ or „RESIDUE – LAST CONTAINED“ should be added; (3) „LIMITED QUANTITY“ should be added. ** When required in chapter 5.4 of the IMDG-Code; *** Class 1 only;					
ZUSÄTZLICHE ANGABEN – Unter bestimmten Bedingungen sind besondere Angaben/Bescheinigungen erforderlich; siehe IMDG-Code, Kapitel 5.4 (siehe Rückseite). ADDITIONAL INFORMATION – In certain circumstances special information/certificates are required, see IMDG-Code, chapter 5.4 (see backside).					
ERKLÄRUNG Hiermit erkläre ich, dass der Inhalt dieser Sendung mit dem (den) richtigen technischen Namen vollständig und genau bezeichnet ist. Die Güter sind nach den geltenden internationalen und nationalen Vorschriften klassifiziert, verpackt, beschriftet und gekennzeichnet/plakatiert und befinden sich in jeder Hinsicht in einem für die Beförderung geeigneten Zustand. 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/Funktion, Unternehmen/Organisation des Unterzeichners Name/status, company/organization of signatory Dr. Edgar Bilger Ort und Datum Place and date Freigericht, 02.12.2024  Unterschrift für den Versender Signature on behalf of shipper		

BEFÖRDERUNGSDOKUMENT FÜR GEFÄHRLICHE GÜTER

nach §8 GGVSee (IMO-ERKLÄRUNG) TRANSPORT DOCUMENT FOR DANGEROUS GOODS (IMO-DANGEROUS GOODS DECLARATION)

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MATERIAL SAFETY DATA SHEET

according (EG) 1907/2006 (Reach), revised with 2020/878/EU

date of issue: 15.01.2009

revised 02:04:2024



Dr. Bilger Umweltconsulting GmbH

product: BINAL

version: 2.0 /ENG supersedes VERSION 1:0/EN

page 1 of 11

MATERIAL SAFETY DATA SHEET

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

1.1 Product identifier

Trade name:

BINAL®

REACH registration No.: 01-2119484805-27-0002

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: Chem. production, metallurgy, additive for aluminium casting, production of Polyamid12, conditioning and etching of fluorinated plastics, dehalogenation and desulfuration of mineral oil, as a reducing agent for chemical syntheses

uses advised against: any non-industrial and/or scientific related application

1.3 Details of the supplier of the safety data sheet

Supplier Dr. Bilger Umweltconsulting GmbH
Gewerbepark Birkenhain 7a
D-63579 Freigericht

Telefon: +49-(0)6051-916695

e-Mail: info@bilgergmbh.de

1.4 Emergency telephone number

Emergency telephone: Tel.: +49-(0)6051-91669-51
This number is only active during normal opening hours.

Emergency support **Information Munich: +49/ (0)89 19240**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EG) No. 1272/2008,	
Hazard class/- category	Hazard notes
in contact with water releases flammable gases which may ignite spontaneously (category 1)	H260
Causes severe skin burns (subcategory 1B) and severe eye damage (category 1)	H314

2.2 Label elements

MATERIAL SAFETY DATA SHEET

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Dr. Bilger Umweltconsulting GmbH



GHS02



GHS05

Signal word: DANGERHazard statements

H260 in contact with water releases flammable gases which may ignite spontaneously
 H314 Causes severe skin burns and eye damage.

Precautionary statements:

Precautionary statements Precaution

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Precautionary statements Response

P301+P330+P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continuous rinsing.
 P370+P378 In case of fire: Use metal fire powder for extinction. NO WATER.
 P308+P311 IF exposed or concerned: immediately call a POISON CENTER or doctor/physician.

Precautionary statements Storage:

P402+P404 Store in a dry place. Store in a closed container

Additional precautions

EUH014 reacts violently with water

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

According to the results of its assessment, this substance is neither a PBT nor a vPvB substance.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0.1\%$.

SECTION 3: Composition/information on ingredients**3.1 Substance:** sodium, chemical element, metal (Na)

Formule Na
Mol. Weight: 22.98 g/mol
CAS-No.: 7440-23-5
EG-Nr.: 213-132-9
EINECS: 231-132-9
Index-No.: 011-001-00-0
Purity: >99.9 %

3.2 Mixture: not applicable:**SECTION 4: First aid measures**

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Dr. Bilger Umweltconsulting GmbH

4.1 Description of First aid measures

- General information:** Remove contaminated clothing immediately. In case of health Consult a doctor if health problems occur.
- After inhalation:** Move immediately to fresh air after inhalation of smoke produced by the reactions. If unconscious, keep on the side and seek medical advice. Remove to fresh air. Oxygen or artificial respiration if necessary. Call a doctor immediately.
- After skin contact:** Remove metal with spatula and then rinse with plenty of water. In case of contact with liquid sodium, remove clothing immediately, Remove sodium with dry cloth, wash with plenty of water, consult a doctor.
- After eye contact:** Immediately remove metal carefully. Remove contact lenses. Then rinse thoroughly with Rinse thoroughly with plenty of water until a doctor arrives.
- After ingestion:** Do NOT induce vomiting. Rinse out mouth. Give plenty of water to drink; Consult a doctor immediately.
- Notes for physician:** Medical treatment according to alkali burn. Show this safety data sheet to the doctor in attendance.

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

- Symptoms:** Ingestion may cause the following symptoms: Burning, Pain, Diarrhoea, Vomiting, Decreased blood pressure, Respiratory problems, Symptoms may be delayed.
- Inhalation may cause the following symptoms: Irritating to respiratory system, altered lung function or difficulty breathing.
- Skin contact may cause the following symptoms: Burn
- Eye contact may cause the following symptoms: Burn
- Health effects from repeated exposure may include: Irritation of the respiratory system.

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

- Treatment:** Delayed rupture or constriction of the gastrointestinal tract may occur after ingestion. Close monitoring is recommended.

SECTION 5: Firefighting measures

5.1 Extinguishing Media

Suitable: Dry soda ash, Extinguishing powder class D, dry salt, dry concrete

Unsuitable: Water, CO₂, extinguishing agents class A, B, C, E and foam

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Dr. Bilger Umweltconsulting GmbH

5.2 Special hazards arising from substance or mixture

Product releases hydrogen gas on contact with water.
Emits toxic fumes under fire conditions.

5.2 Advice for firefighters

Keep away from sources of ignition due to possible formation of hydrogen;
Do not inhale fumes under any circumstances; risk of chemical burns to mucous membranes,
Move people immediately to the side facing away from the wind
In case of fire, wear self-contained breathing apparatus against corrosive
oxide smoke. Wear full chemical protection suit.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****6.1.1 For non-emergency personnel**

Use appropriate protective equipment (including the personal protective equipment mentioned in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing.
Contamination of skin, eyes and personal clothing.
Avoid contact with skin, eyes and clothing.

6.1.2 For emergency responders:

Use personal protective equipment (such as Nomex). Avoid dust formation.
Avoid breathing dust. Ensure adequate ventilation.
Remove all sources of ignition. Evacuate personnel to safe areas.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so.
Do not let product enter drains. Risk of explosions

6.3 Methods and material for containment and clean-up

Cover drains
Pick up mechanically and arrange disposal without creating dust.
Do not flush with water. Keep in suitable, closed containers for disposal.
Dispose of in suitable containers

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. incompatible materials: see section 10.
disposal information: see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe Handling**

Open and handle container with care. Store sodium under paraffin oil, nitrogen or argon.
Protect from moisture-
Always keep containers tightly closed. The work area must be well ventilated. Wash hands before breaks and at the end of work. Keep away from food and drink. Do not smoke while working.

7.2 Conditions for safe storage, including any incompatibilities

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Dr. Bilger Umweltconsulting GmbH

page 5 of 11

Requirements for storage rooms and containers:

dry, no sprinkler system, floor level raised compared to surroundings

Information on storage together:

Corresponding to storage class 4.3 (substances that form flammable gases on contact with water).

Observe storage prohibitions. Do not store together with highly flammable liquids

Further information on storage conditions

Recommended storage temperature: 10 -30° C

7.3 Specific end use(s) no information available**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Additional advices for design of technical equipment:**

provide fire extinguisher metal class D

Risk of corrosion

Exposure limit values: Not applicable**8.2 Exposure controls****Personal Protection****General protection**

avoids any contact with eyes and skin.
No eating, drinking or smoking allowed
Keep workplace dry

Respiratory Protection:

Normally there is no respiration protection necessary.
In exceptional case (at example: accidental release) it is necessary to wear respiration protection.

Hand Protection:

nitrile covered gloves

Protective gloves must comply with the EC Directive 89/686/EEC and the related standards EN 374. Check tightness before use.

Recommended for example:

- Material: NBR (Nitril rubber)
 - Thickness: > 0.11 mm.
 - break through time: > 480 Minutes (Permeation level 6)
- Take rest periods to regenerate the skin. Preventive skin protection (protective creams/ointments) is recommended.

Eye Protection:

splash goggles, in exceptional cases it is necessary to wear a full length face shield

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Body protection: Generally flame-retardant protective clothing.
Special protective clothing is required when working with large quantities of sodium; manufacturer's list available on request

Limiting and monitoring exposure:

Prevent from entering the sewage system or surface and ground water.
groundwater. Explosion hazard.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

a) Physical state:	solid
b) Colour:	silvery
c) Odour:	odourless
d) Melting point	97.8 °C
e) Boiling point	892 °C
p) Density (20 °C)	0,97 g/cm ³

9.2 Other information none

SECTION 10: Stability and reactivity

10.1 Reactivity see section 10.3

10.2 Chemical stability sensitive to moisture

10.3. Possibility of hazardous reactions

Explosion hazard and risk of ignition or formation of flammable gases or vapors with:

Water, alcohols, aluminium halides, ammonium compounds, metal salts, boron compounds, bromine, azides, halogenated hydrocarbons, organ. halogenides, chlorine, chlorates, chloroform, hydrogen chloride gas, chromium(VI) oxide, dichloromethane, ether, dimethylformamide, halogen oxides, ethanol, methanol, alkyl nitrates, nitrites, fluorine, halogens, hydrazines, hydrazine hydrate, hydroxylamine, iodine, halogen-halogen compounds, peroxides, activated carbon, carbon monoxide, copper compounds, metal oxides, organic nitro compounds, heavy metal salts, perchlorates, phosphorus halides, phosphorus oxides, silicon compounds, silver compounds, selenium, sulphur dioxide, carbon disulphide, hydrogen sulphide, sulphur, acid chlorides, oxygen, hydrochloric acid, nitric acid, mercury compounds, mercury, nitrogen dioxide

10.4 Conditions to avoid

Conditions to be avoided: High humidity, high temperature

10.5 Incompatible materials: see section 10.3

10.6. Hazardous decomposition products: see section 5

SECTION 11: Toxicological information

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11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

a) acute toxicity;	Mucous membrane irritation, cough, shortness of breath, Possible consequences: Damage to the respiratory tract
acute oral toxicity:	If swallowed, severe causticity of the mouth and throat and risk of perforation of the oesophagus and stomach.
b) skin corrosion/irritation;	Corrosive effect on skin and mucous membranes
c) serious eye damage/irritation;	Strong corrosive effect. Causes severe eye damage
d) respiratory or skin sensitisation;	no information available
e) germ cell mutagenicity;	no information available
f) carcinogenicity;	no information available
g) reproductive toxicity;	no information available
h) STOT-single exposure;	no information available
i) STOT-repeated exposure;	no information available
j) aspiration hazard:	no information available

11.2 Information on other hazards**11.2.1 Endocrine disrupting properties**Contains no endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.**11.2.2 Other information**

Decomposition of the substance with the moisture of the tissues. The usual precautionary measures for handling chemicals must be observed.

SECTION 12: Ecological information

12.1 Toxicity:	No information available.
12.2 Persistence and degradability:	No information available.
12.3 Bioaccumulative potential:	No information available.
12.4 Mobility in soil:	No information available.
12.5 Results of PBT and PBT/vPvB:	Not applicable for inorganic substances.
12.6 Endocrine disrupting properties	Contains no endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.
12.7 Other adverse effects	decomposition product reacting with water: Sodium hydroxide Entry into the environment must be avoided.

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

Product	Call the supplier for technical advice in the individual case. Pick up the material and transfer in dry drum, close tightly and store in UN-x-coded transport drum. Sodium disposal must not be attempted by inexperienced people. Transport to incineration plant according to ADR-regulation No. 4.3; I
Large quantities	collect in steel drum and cover with dry oil.
Small quantities	pick up in a small steel bin, let react with Isopropanol, then add water in small quantities

Packaging

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Steel Packaging	clean with isopropanol carefully if necessary and rinse with water before disposal. Do not drain into municipal water system.
Emptied packaging:	Household waste or to recycling companies
Other information	the six-digit waste code is used in accordance with AVV industry-, process-type-, origin- and material-specific, Dispose of in accordance with federal, state and local regulations. Observe Waste Directive 2008/98/EC.

SECTION 14: Transport information**14.1 UN number or ID number:** UN1428**14.2 UN proper shipping name:**

ADR/RID/ADN

NATRIUM

IMDG-Code

SODIUM

ICAO-TI

Sodium

14.3 Transport hazard class(es): 4.3**14.4 Packing group:** I**14.5 Environmental hazards:** Not hazardous to the environment according to dangerous goods regulations**14.6 Special precautions for user****14.7 Maritime transport in bulk according to IMO instruments**

Not transported as bulk cargo.

Rail and Road ADR/RID/GGVSE:

ADR/RID-GGVSE class: 4.3 (W2) Material that emits flammable gases on contact with water.

Kemler-Zahl: X423

UN-NO: 1428

Packaging Group: I

Lable: 4.3

Identification: 1428 Sodium

Limited quantity (LQ): LQ0

Transport category: 1

Tunnel restriction code: B/E

**Sea IMDG/GGVSea:**

IMDG/GGVSea-class: 4.3

UN-NO: 1428

Lable: 4.3

Packaging Group: I

Limited quantity (LQ): LQ0

Identification: SODIUM

EMS: F-G S-N

Air ICAO-TI und IATA-DGR:



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ICAO/IATA-class: 4.3
UN/ID-NO: 1428
Lable 4.3
Packaging Group: I
Identification: SODIUM
IATA (Passenger): Transport forbidden
IATA (cargo plane): Transport accepted
UN "Model Regulation ": UN1428, Sodium, 4.3, I

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****- Seveso Directive**

2012/18/EU (SevesoIII)				
No.	Hazardous substance/hazard categories	Quantity threshold (in tonnes) for use in factory lower and upper classes		Note
01	other hazards (EUH014)	100	500	58)
02	other hazards (water react., cat. 1)	100	500	59)

Note

58) Substances or mixtures with the hazard statement EUH014

59) Substances and mixtures which, in contact with water, emit flammable gases, hazard category 1

Occupational restrictions Take note of Dir 94/33/EC on the protection of young people at Work

Regulation (EC) No 1006/2009 on substance that deplete the ozone layer:

not regulated

Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Dir. 79/117/EEC:

not regulated

Substances of very high concern (SVHC):

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (EACH), Article 57 above respective regulatory concentration limit of $\geq 0.1\%$ (w/w).

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product for quantities below 10 tons or more per year per registrant.

SECTION 16: Other information**a) Indication of where changes have been made to the previous version**

Kap. 2.3 new design

Kap. 5.4 and 5.3 combined under 5.3

Kap. 5.5 deleted

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Kap.7.2 title adjusted and text revised
Kap. 8.1 und 8.2 title adjusted and text revised
Kap. 9 adjusted to legislation 2020/8978/EU
Kap. 10.5 and 10.6 new
Kap. 11.2 Text revised
Kap. 12.6 and 12.7 revised
Section 14 Layout new
Kap. 15.1 Merkblatt M019 Natrium new in the list
Kap. 16b Legend to abbreviations inserted

b) Legend to abbreviations

ADR Accord relatif au transport international des marchandises dangereuses par route
(Convention concerning the International Carriage of Dangerous Goods by Road)
IATA International Air Transport Association

IATA/DGR Dangerous Goods Regulations (DGR) for the air transport (IATA)

ICAO International Civil Aviation Organization

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Règlement concernant le transport International ferroviaire des marchandises
Dangereuses (Regulations concerning the International Carriage of Dangerous Goods by
Rail)

PBT Persistent, Bioaccumulative and toxic

vPvB Very Persistent and very Bioaccumulative

c) Literature

Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances
and mixtures.

Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

e) Full text of H-statements referred to under sections 2 and 3.**Labelling**

Hazard pictograms



Signal word Danger

Hazard statements

H260 in contact with water releases flammable gases which may ignite spontaneously

H314 Causes severe skin burns and eye damage

EUH014 Reacts violently with water

Precautionary statements

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Prevention

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

P301+P330+P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continuous rinsing.
 P370+P378 In case of fire: Use metal fire powder for extinction. NO WATER.
 P308+P311 IF exposed or concerned: immediately call a POISON CENTER or doctor/physician.

Storage

P402+P404 Store in a dry place. Store in a closed container

f) Training advice

Provide adequate information, instruction and training operators.

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

This information is taken from sources based upon data believed to be reliable.

However, Dr. Bilger Umweltconsulting GmbH makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.

Local laws and regulations have to be considered by the customer upon own responsibility.

Dr. Bilger Umweltconsulting GmbH
 Gewerbepark Birkenhain 7a, 63579 Freigericht
 Sicherheitsdatenblatt gemäß Verordnung (EG)
 1907/2006 (Reach)
 erstellt am: 15.01.2009
 überarbeitet am: 12.05.2016



Dr. Bilger Umweltconsulting GmbH

Produkt: Natrium
 Version: 2.0 / DE

Druckdatum: 13.05.2016
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SICHERHEITSDATENBLATT

Gemäß Verordnung (EG) 1907/2006 (REACH)

1. Stoff-, Zubereitungs- und Firmenbezeichnung

1.1 Bezeichnung des Stoffes/der Zubereitung

Handelsname:

Natrium

REACH Registrierungsnummer: Vorregistrierungsnummer 05-2114257078-45-0000

1.2 Verwendung des Stoffes/der Zubereitung

- 1.2.1 Identifizierte Verwendungen: Chemische Produktion, Metallurgie, Bleiraffination, Veredelungsmittel für Aluminiumguss, Herstellung von Polyamid12, Bearbeitung oder Ätzen von fluorierten Kunststoffen, Dehalogenierung und Entschwefelung von Mineralöl, als Reduktionsmittel in der chemischen Synthese

Unter Einhaltung der in der Anlage zu diesem SDB beschriebenen Bedingungen.

1.3 Bezeichnung des Unternehmens

Lieferant /Hersteller/	Dr. Bilger Umweltconsulting GmbH
Importeur/nachgeschalteter	Gewerbepark Birkenhain 7a
Anwender/Händler	DE-63579 Freigericht
	Telefon: +49-(0)6051-9166951

e-Mail (fachkundige Person) info@bilgergmbh.de

Kontaktstelle für Information Abt. F+E : Telefon: +49-(0)6051-91669-54

Nationaler Ansprechpartner Abt. F+E : Telefon: +49-(0)6051-91669-54

1.4 Notfallauskunft/: Notfallnummer

Tel.: +49-(0)6051-91669-51
 Diese Nummer ist nur zu Bürozeiten besetzt.

2. Mögliche Gefahren

2.1 Einstufung:

Verordnung (EG) Nr. 1272/2008,	Anhang VII
Gefahrenklasse/- kategorie	Gefahrenhinweis
Wassergefährdungsklasse 1	H260
Skin Corr. 1B	H314

67/548/EWG oder 1999/45/EG	
Gefährlichkeitsmerkmal	R-Sätze
Leichtentzündlich (F)	R 14/15
Ätzend (C)	R 34



2.2 Kennzeichnungselemente



Flamme



Ätzwirkung

Gefahr

H260	In Berührung mit Wasser entstehen entzündbare Gase, die sich spontan entzünden können.
H314	Verursacht schwere Verätzungen der Haut und schwere Augenschäden.
EUH014	Reagiert heftig mit Wasser
P223	Kontakt mit Wasser wegen heftiger Reaktion und möglichem Aufflammen unbedingt verhindern.
P280	Schutzhandschuhe / Schutzkleidung / Augenschutz / Gesichtsschutz tragen.
P303 + P361 + P353	BEI KONTAKT MIT DER HAUT (oder dem Haar): Alle beschmutzten, getränkten Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen/duschen.
P305 + P351 + P338	BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.
P370 + P378	Bei Brand: Metallbrandpulver Klasse D zum Löschen verwenden.
P402 + P404	In einem geschlossenen Behälter an einem trockenen Ort aufbewahren

2.3 Sonstige Gefahren

Keine Daten vorhanden

3. Zusammensetzung / Angaben zu Bestandteilen

3.1 Angaben zum Stoff: Natrium, chemisches Element, Metall

CAS-Nr.: 7440-23-5
 EG-Nr.: 213-132-9
 EINECS: 231-132-9
 Index-Nr.: 011-001-00-0
 VorregistrierungsNr.: 05-2114257078-45-0000
 Reach RegistrierungsNr.: 01-2119484805-27-0001

Reinheit: >99.9 %

3.2 Zusätzliche Hinweise:

Die Übergangsfrist gemäß REACH-Verordnung, Artikel 23, ist noch nicht abgelaufen.

4. Erste-Hilfe-Maßnahmen

4.1 Beschreibung der Erste-Hilfe-Maßnahmen

Allgemeine Hinweise: Beschmutzte Kleidung sofort ausziehen. Bei Auftreten von Gesundheitsstörungen Arzt hinzuziehen.

nach Einatmen: Nach Einatmen des bei den Reaktionen entstehenden Rauchs sofort an die frische Luft gehen. Bei Bewusstlosigkeit stabile Seitenlage anwenden



und ärztlichen Rat einholen. An die frische Luft bringen. Sauerstoff oder, falls erforderlich, künstliche Beatmung. Sofort Arzt hinzuziehen.

- nach Hautkontakt:** Metall mit Spatel entfernen und danach mit viel Wasser spülen bei Kontakt mit flüssigem Natrium sofort Kleidung ausziehen, Natrium mit trockenem Tuch entfernen, mit viel Wasser waschen, Arzt aufsuchen.
- nach Augenkontakt:** Metall sofort sorgfältig entfernen. Kontaktlinsen entfernen. Dann bei geöffnetem Lidspalt gründlich mit viel Wasser spülen, bis zum Eintreffen des Arztes weiterspülen.
- nach Verschlucken:** KEIN Erbrechen erzwingen. Mund ausspülen. Viel Wasser trinken lassen; sofort Arzt konsultieren.
- Hinweise für Arzt:** Behandlung wie Laugenverätzung. Dem Arzt Sicherheitsdatenblatt vorlegen.

4.2 Wichtigste akute oder verzögert auftretende Symptome und Wirkungen

- Symptome:** Verschlucken kann folgende Symptome hervorrufen: Verbrennung, Schmerz, Durchfall, Erbrechen, Erniedrigter Blutdruck, Atemprobleme, Symptome können verzögert auftreten.
- Einatmen kann folgende Symptome hervorrufen: Reizt die Atmungsorgane, veränderte Lungenfunktion oder Atemschwierigkeiten.
- Hautkontakt kann folgende Symptome hervorrufen: Verbrennung
- Augenkontakt kann folgende Symptome hervorrufen: Verbrennung
- Zu den Gesundheitsschäden durch wiederholte Exposition können gehören: Reizung der Atmungsorgane.

4.3 Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung

- Behandlung:** Nach Verschlucken kann ein verspätet auftretender Durchbruch oder eine Verengung des Magen-Darm-Trakts eintreten. Eine genaue Überwachung wird empfohlen.

5. Maßnahmen zur Brandbekämpfung

- 5.1 geeignete Löschmittel:** Metallbrandpulver Klasse D, trockenes Kochsalz, Sand, Zement

- 5.2 Aus Sicherheitsgründen ungeeignete Löschmittel:**

Wasser, CO₂, Löschmittel der Brandklassen A, B, C und E

- 5.3 Besondere Gefährdung durch den Stoff oder das Produkt selbst, seine Verbrennungsprodukte oder entstehende Gase:**

von Zündquellen fern halten wegen möglicher Bildung von Wasserstoff; Verätzung der Schleimhäute, Rauch keinesfalls einatmen; Personen sofort auf windabgewandte Seite bringen

- 5.4 besondere Schutzausrüstung bei der Brandbekämpfung:** Im Brandfall umluftunabhängigen Atemschutz gegen ätzenden Oxidrauch



5.5 Zusätzliche Hinweise:

Brandklasse: D

6. Maßnahmen bei unbeabsichtigter Freisetzung

6.1 personenbezogene Vorsichtsmaßnahmen: Entfernen von Zündquellen. Gefährdeten Bereich räumen, betroffene Umgebung warnen. Zur Beseitigung des gefährlichen Zustandes darf der Gefahrenbereich nur mit geeigneten Schutzmaßnahmen betreten werden. Feuchtigkeit fernhalten. Atem-, Augen-, Hand- und Körperschutz tragen. Verhindern von Haut- und Augenkontakt

6.2 Umweltschutzmaßnahmen: nicht in die Kanalisation gelangen lassen; Explosionsgefahr!

6.3 Verfahren zur Reinigung/ Aufnahme: Nach Verschütten und Auslaufen kleinerer Mengen vorsichtig trocken aufnehmen und in geeigneten, dicht schließenden X-zugelassenen Behältern sammeln; anschließend mit trockenem Öl abdecken

6.4 Zusätzliche Hinweise: Zündquellen fernhalten, nicht rauchen, offene Flammen vermeiden

7. Handhabung und Lagerung

7.1 Handhabung

7.1.1 Hinweise zum sicheren Umgang Natrium unter Paraffinöl, Stickstoff oder Argon verpackt lagern vor Nässe schützen, Gebinde stets dicht verschlossen halten. Der Arbeitsbereich muss trocken und gut belüftet sein. Personal muss feuerfeste Kleidung, Gestellbrille mit Seitenschutz und nitrilbeschichtete Handschuhe tragen. Mindeststandards gemäß TRGS 500 einhalten. Bei der Gestaltung des Arbeitsverfahrens sind die Modelllösungen der Schutzleitfäden der 100er und 200er-Reihe zu berücksichtigen. (http://www.baua.de/nn_5846/de/Themen-von-A-Z/Gefahrstoffe/EMKG/Schutzleitfaeden)

7.1.1 Hinweise zum Brand- und Explosionsschutz: Ausschluss jeglicher Feuchtigkeit, da mit Wasser heftige Reaktion unter Bildung explosionsfähiger, selbstentzündlicher Wasserstoff-Luft-Gemische (Knallgas). Trocken halten.

7.2 Lagerung

7.2.1 Anforderungen an Lagerräume und Behälter: trocken, keine Sprinkleranlage, Bodenniveau gegenüber Umgebung erhöht
 Anforderung an die Lagerbeschaffenheit gemäß WGK: 1

7.2.2 Zusammenlagerungshinweise: Entsprechend Lagerklasse: siehe Punkt 7.2.4
 nicht mit leicht brennbaren Flüssigkeiten zusammen lagern

7.2.3 Weitere Angaben zu den Lagerbedingungen Empfohlene Lagertemperatur: Lagerung bei Raumtemperatur

7.2.4 Lagerklasse (VCI Konzept) 4.3 Stoffe, die bei Berührung mit Wasser entzündliche Gase bilden.



8. Expositionsgrenzen und persönliche Schutzausrüstung

8.1 Zusätzliche Hinweise zur Ge- Feuerlöscheinrichtungen sind bereitzustellen
staltung techn. Anlagen: Korrosionsgefahr

8.2 Bestandteile mit arbeitsplatzbezogenen, zu überwachenden Grenzwerten:

Entfällt

8.3 Persönliche Schutzausrüstung

8.3.1 allgemeine Schutz- und Hygienemaßnahmen: Berührung mit den Augen und der Haut vermeiden.
 Während der Arbeit nicht essen, trinken, rauchen.
 Auf Trockenheit achten

8.3.2 Atemschutz: In der Regel keine besonderen Schutzmaßnahmen erforderlich.
 In Ausnahmesituationen (z.B. unbeabsichtigte Stofffreisetzung)
 ist das Tragen von Atemschutz erforderlich.

8.3.3 Handschutz: nitrilbeschichtete Handschuhe

8.3.4 Augenschutz: Gestellbrille mit Seitenschutz
 Ist nicht nur das Auge, sondern auch das Gesicht gefährdet,
 ist zusätzlich ein Schutzschirm zu benutzen.

8.3.5 Körperschutz: Generell flammhemmend ausgerüstete Schutzkleidung.
 Bei der Arbeit mit größeren Mengen Natrium ist spezielle
 Schutzkleidung erforderlich; Herstellerliste auf Anfrage

9. Physikalische und chemische Eigenschaften

9.1 Erscheinungsbild

9.1.1 Form: fest

9.1.2 Farbe: metallisch grau

9.1.3 Geruch: geruchlos

9.2 Sicherheitsrelevante Daten

9.2.1 Schmelzpunkt/ Schmelzbereich 97,85 °C

9.2.2 Siedepunkt/Siedebereich 892 °C

9.2.3 Zündtemperatur 115 °C

9.2.4 Viskosität (100 °C) 0,68 mPa.s

9.2.5 Dichte (20 °C) 0,97 g/cm³

9.2.6 Löslichkeit in Wasser n. a. / heftige Zersetzung



10. Stabilität und Reaktivität

- 10.1 Zu vermeidende Bedingungen:** hohe Luftfeuchtigkeit, hohe Temperaturen
- 10.2 Zu vermeidende Stoffe:** Wasser, Oxidationsmittel, Luft, Alkohole, Halogene, Säuren
Schwermetallpulver
- 10.3 Gefährliche Zersetzungsprodukte:** mit Wasser heftige Reaktion unter Bildung von Wasserstoff und stark alkalisch ätzender Natronlauge;
Explosionsgefahr durch Bildung von Knallgas; reagiert heftig mit Halogenen, Halogenkohlenwasserstoffen und Oxidationsmitteln
- 10.4 Sonstige Angaben** In geschlossener und unbeschädigter Verpackung ist Natrium mehrere Jahre stabil

11. Toxikologische Angaben

Akute Toxizität:

Primäre Reizwirkung

an der Haut:

am Auge:

Sensibilisierung:

Zusätzliche toxikologische

Hinweise:

Ätzende Wirkung auf Haut und Schleimhaut

Starke Ätzwirkung

Keine sensibilisierende Wirkung bekannt

Bei Verschlucken starke Ätzwirkung des Mundraumes und Rachens sowie Gefahr der Perforation der Speiseröhre und des Magens.

Nach unserem derzeitigen Wissensstand ist die akute und chronische Toxizität dieses Stoffes nicht gänzlich bekannt. Keine Daten zur Klassifizierung dieses Stoffes hinsichtlich seiner Karzinogenität aus EPA, IARC, NTP, OSHA oder ACGIH verfügbar.

12. Angaben zur Ökologie

Allgemeine Hinweise:

Wassergefährdungsklasse 1: schwach wassergefährdend

13. Hinweise zur Entsorgung

13.1 Entsorgung / Abfall (Produkt)

13.1.1 Große Natriummengen

in einem Behälter mit inertem Lösemittel oder unter Inertgas (z. B. Stickstoff) sammeln.

13.1.2 Kleine Natriummengen

vorsichtig in kleinen Portionen in niedrigsiedende Alkohole, z. B. Butanol (Überschuss) eintragen. Das entstandene Alkoholat durch langsame Wasserzugabe zerstören.

13.1.3 Entsorgungsart

Verbrennungsanlage

13.1.4 Nachweispflicht

ja

13.1.5 ungebrauchtes Produkt

in unbeschädigter Verpackung zurück an den Hersteller/Lieferanten

13.2 Verpackungen

13.2.1 ungereinigte Verpackungen

sorgfältig mit Isopropanol und anschließend mit Wasser waschen. Nicht in Gewässer oder in die Kanalisation gelangen lassen.



13.2.2 Restentleerte Verpackung: Hausmüll bzw. zu Recycling-Unternehmen

13.3 Sonstige Angaben

Der sechsstellige Abfallschlüssel ist nach AVV branchen-,
 prozessart-, herkunfts- oder abfallartenspezifisch
 zuzuordnen.
 Entsorgen im Einklang mit Bundes-, Länder- und lokalen
 Vorschriften.

14. Angaben zum Transport

14.1 Landtransport ADR/RID/GGVSE:



ADR/RID-GGVS/E Klasse: 4.3 (W2) Stoffe, die in Berührung mit Wasser entzündbare Gase entwickeln
Kemler-Zahl: X423
UN-Nummer: 1428
Verpackungsgruppe: I
Gefahrzettel: 4.3
Bezeichnung d. Gutes: 1428 Natrium
Begrenzte Menge (LQ): LQ0
Beförderungskategorie: 1
Tunnelbeschränkungscode: B/E

14.2 Seeschifftransport IMDG/GGVSee:



IMDG/GGVSee-Klasse: 4.3
UN-Nummer: 1428
Lable 4.3
Verpackungsgruppe: I
Richtiger techn. Name: SODIUM

14.3 Lufttransport ICAO-TI und IATA-DGR :



ICAO/IATA-Klasse: 4.3
UN/ID-Nummer: 1428
Verpackungsgruppe: 4.3
Richtiger techn. Name: SODIUM

UN“Model Regulation“: UN1428, Natrium, 4.3,I

Dr. Bilger Umweltconsulting GmbH
 Gewerbepark Birkenhain 7a, 63579 Freigericht
 Sicherheitsdatenblatt gemäß Verordnung (EG)
 1907/2006 (Reach)
 erstellt am: 15.01.2009
 überarbeitet am: 12.05.2016



Dr. Bilger Umweltconsulting GmbH

Produkt: Natrium
 Version: 2.0 / DE

Druckdatum: 13.05.2016
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15. Rechtsvorschriften

15.1 Kennzeichnung nach EU-Richtlinien

15.1.1 Kennbuchstabe und

Gefahrenbezeichnung:



F; leicht entzündlich



C; ätzend

15.1.2 R-Sätze

R14/15: Reagiert heftig mit Wasser unter Bildung leichtentzündlicher Gase

15.1.3 S-Sätze

R34: Verursacht Verätzungen

S05: Unter Schutzgas oder Paraffinöl aufbewahren

S08: Behälter trocken halten

S43: Zum Löschen trockenen Sand oder Kochsalz

verwenden - kein Wasser verwenden

S45: Bei Unfall oder Unwohlsein sofort Arzt zuziehen (wenn möglich, das Etikett vorzeigen)

15.1.4 berufsgenossenschaftliche/ arbeitsmedizinische Vorschriften:

siehe Natrium-Merkblatt M019 der BG-Chemie

Nationale Vorschriften:

Hinweis zur Beschäftigungsbeschränkung:

Beschäftigungsbeschränkungen für Jugendliche beachten.
 Gebrauch nur durch techn. qualifizierte Personen.

Klassifizierung nach Betriebs-sicherheitsverordnung (BetrSichV):

Wassergefährdungsklasse 1 (Natronlauge aus Reaktion mit Wasser)

16. sonstige Angaben

Arbeitgeber sollen diese Information nur als Ergänzung zu deren eigenen Ergebnissen betrachten und unabhängig über deren Anwendbarkeit entscheiden, sodass die richtige Anwendung und somit die Gesundheit und Sicherheit der Angestellten gewährleistet ist. Diese Information beinhaltet keine gesetzliche Garantie und jeglicher Gebrauch des Produktes abweichend von diesem Sicherheitsdatenblatt, oder der Gebrauch in Kombination mit irgendeinem anderen Produkt oder Prozess obliegt allein der Verantwortung des Anwenders.

R14/15: Reagiert heftig mit Wasser unter Bildung leichtentzündlicher Gase

R34: Verursacht Verätzungen

Merkblatt M 019 Natrium der BG Chemie

Leitfaden Sicherheitsdatenblatt des VCI (Stand April 2008)

Chemikaliengesetz in der Fassung vom 20.06.2002

Gefahrstoffverordnung in der Fassung vom 23.12.2004

Die vorstehenden Angaben stützen sich auf den heutigen Stand unserer Kenntnisse und Erfahrungen und stellen keine Zusicherung von Eigenschaften dar.

Bestehende Gesetze und Bestimmungen sind vom Empfänger unseres Produktes in eigener Verantwortung zu beachten.

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MATERIAL SAFETY DATA SHEET

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

1.1 Product identifier

Trade name:

BINAL®

REACH registration No.: 01-2119484805-27-0002

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: Chem. production, metallurgy, additive for aluminium casting, production of Polyamid12, conditioning and etching of fluorinated plastics, dehalogenation and desulfuration of mineral oil, as a reducing agent for chemical syntheses

uses advised against: any non-industrial and/or scientific related application

1.3 Details of the supplier of the safety data sheet

Supplier Dr. Bilger Umweltconsulting GmbH
Gewerbepark Birkenhain 7a
D-63579 Freigericht

Telefon: +49-(0)6051-916695

e-Mail: info@bilgergmbh.de

1.4 Emergency telephone number

Emergency telephone: Tel.: +49-(0)6051-91669-51
This number is only active during normal opening hours.

Emergency support **Information Munich: +49/ (0)89 19240**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EG) No. 1272/2008,	
Hazard class/- category	Hazard notes
in contact with water releases flammable gases which may ignite spontaneously (category 1)	H260
Causes severe skin burns (subcategory 1B) and severe eye damage (category 1)	H314

2.2 Label elements

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GHS02



GHS05

Signal word: DANGERHazard statements

H260 in contact with water releases flammable gases which may ignite spontaneously
 H314 Causes severe skin burns and eye damage.

Precautionary statements:

Precautionary statements Precaution

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Precautionary statements Response

P301+P330+P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continuous rinsing.
 P370+P378 In case of fire: Use metal fire powder for extinction. NO WATER.
 P308+P311 IF exposed or concerned: immediately call a POISON CENTER or doctor/physician.

Precautionary statements Storage:

P402+P404 Store in a dry place. Store in a closed container

Additional precautions

EUH014 reacts violently with water

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

According to the results of its assessment, this substance is neither a PBT nor a vPvB substance.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0.1\%$.

SECTION 3: Composition/information on ingredients**3.1 Substance:** sodium, chemical element, metal (Na)

Formule Na
Mol. Weight: 22.98 g/mol
CAS-No.: 7440-23-5
EG-Nr.: 213-132-9
EINECS: 231-132-9
Index-No.: 011-001-00-0
Purity: >99.9 %

3.2 Mixture: not applicable:**SECTION 4: First aid measures**

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4.1 Description of First aid measures

- General information:** Remove contaminated clothing immediately. In case of health Consult a doctor if health problems occur.
- After inhalation:** Move immediately to fresh air after inhalation of smoke produced by the reactions. If unconscious, keep on the side and seek medical advice. Remove to fresh air. Oxygen or artificial respiration if necessary. Call a doctor immediately.
- After skin contact:** Remove metal with spatula and then rinse with plenty of water. In case of contact with liquid sodium, remove clothing immediately, Remove sodium with dry cloth, wash with plenty of water, consult a doctor.
- After eye contact:** Immediately remove metal carefully. Remove contact lenses. Then rinse thoroughly with Rinse thoroughly with plenty of water until a doctor arrives.
- After ingestion:** Do NOT induce vomiting. Rinse out mouth. Give plenty of water to drink; Consult a doctor immediately.
- Notes for physician:** Medical treatment according to alkali burn. Show this safety data sheet to the doctor in attendance.

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

- Symptoms:** Ingestion may cause the following symptoms: Burning, Pain, Diarrhoea, Vomiting, Decreased blood pressure, Respiratory problems, Symptoms may be delayed.
- Inhalation may cause the following symptoms: Irritating to respiratory system, altered lung function or difficulty breathing.
- Skin contact may cause the following symptoms: Burn
- Eye contact may cause the following symptoms: Burn
- Health effects from repeated exposure may include: Irritation of the respiratory system.

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

- Treatment:** Delayed rupture or constriction of the gastrointestinal tract may occur after ingestion. Close monitoring is recommended.

SECTION 5: Firefighting measures

5.1 Extinguishing Media

Suitable: Dry soda ash, Extinguishing powder class D, dry salt, dry concrete

Unsuitable: Water, CO₂, extinguishing agents class A, B, C, E and foam

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5.2 Special hazards arising from substance or mixture

Product releases hydrogen gas on contact with water.
Emits toxic fumes under fire conditions.

5.2 Advice for firefighters

Keep away from sources of ignition due to possible formation of hydrogen;
Do not inhale fumes under any circumstances; risk of chemical burns to mucous membranes,
Move people immediately to the side facing away from the wind
In case of fire, wear self-contained breathing apparatus against corrosive
oxide smoke. Wear full chemical protection suit.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****6.1.1 For non-emergency personnel**

Use appropriate protective equipment (including the personal protective equipment mentioned in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing.
Contamination of skin, eyes and personal clothing.
Avoid contact with skin, eyes and clothing.

6.1.2 For emergency responders:

Use personal protective equipment (such as Nomex). Avoid dust formation.
Avoid breathing dust. Ensure adequate ventilation.
Remove all sources of ignition. Evacuate personnel to safe areas.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so.
Do not let product enter drains. Risk of explosions

6.3 Methods and material for containment and clean-up

Cover drains
Pick up mechanically and arrange disposal without creating dust.
Do not flush with water. Keep in suitable, closed containers for disposal.
Dispose of in suitable containers

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. incompatible materials: see section 10.
disposal information: see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe Handling**

Open and handle container with care. Store sodium under paraffin oil, nitrogen or argon.
Protect from moisture-
Always keep containers tightly closed. The work area must be well ventilated. Wash hands before breaks and at the end of work. Keep away from food and drink. Do not smoke while working.

7.2 Conditions for safe storage, including any incompatibilities

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Requirements for storage rooms and containers:

dry, no sprinkler system, floor level raised compared to surroundings

Information on storage together:

Corresponding to storage class 4.3 (substances that form flammable gases on contact with water).

Observe storage prohibitions. Do not store together with highly flammable liquids

Further information on storage conditions

Recommended storage temperature: 10 -30° C

7.3 Specific end use(s) no information available**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Additional advices for design of technical equipment:**

provide fire extinguisher metal class D

Risk of corrosion

Exposure limit values: Not applicable**8.2 Exposure controls****Personal Protection****General protection**

avoids any contact with eyes and skin.
No eating, drinking or smoking allowed
Keep workplace dry

Respiratory Protection:

Normally there is no respiration protection necessary.
In exceptional case (at example: accidental release) it is necessary to wear respiration protection.

Hand Protection:

nitrile covered gloves

Protective gloves must comply with the EC Directive 89/686/EEC and the related standards EN 374. Check tightness before use.

Recommended for example:

- Material: NBR (Nitril rubber)
 - Thickness: > 0.11 mm.
 - break through time: > 480 Minutes (Permeation level 6)
- Take rest periods to regenerate the skin. Preventive skin protection (protective creams/ointments) is recommended.

Eye Protection:

splash goggles, in exceptional cases it is necessary to wear a full length face shield

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Body protection: Generally flame-retardant protective clothing.
Special protective clothing is required when working with large quantities of sodium; manufacturer's list available on request

Limiting and monitoring exposure:

Prevent from entering the sewage system or surface and ground water.
groundwater. Explosion hazard.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

a) Physical state:	solid
b) Colour:	silvery
c) Odour:	odourless
d) Melting point	97.8 °C
e) Boiling point	892 °C
p) Density (20 °C)	0,97 g/cm ³

9.2 Other information none

SECTION 10: Stability and reactivity

10.1 Reactivity see section 10.3

10.2 Chemical stability sensitive to moisture

10.3. Possibility of hazardous reactions

Explosion hazard and risk of ignition or formation of flammable gases or vapors with:

Water, alcohols, aluminium halides, ammonium compounds, metal salts, boron compounds, bromine, azides, halogenated hydrocarbons, organ. halogenides, chlorine, chlorates, chloroform, hydrogen chloride gas, chromium(VI) oxide, dichloromethane, ether, dimethylformamide, halogen oxides, ethanol, methanol, alkyl nitrates, nitrites, fluorine, halogens, hydrazines, hydrazine hydrate, hydroxylamine, iodine, halogen-halogen compounds, peroxides, activated carbon, carbon monoxide, copper compounds, metal oxides, organic nitro compounds, heavy metal salts, perchlorates, phosphorus halides, phosphorus oxides, silicon compounds, silver compounds, selenium, sulphur dioxide, carbon disulphide, hydrogen sulphide, sulphur, acid chlorides, oxygen, hydrochloric acid, nitric acid, mercury compounds, mercury, nitrogen dioxide

10.4 Conditions to avoid

Conditions to be avoided: High humidity, high temperature

10.5 Incompatible materials: see section 10.3

10.6. Hazardous decomposition products: see section 5

SECTION 11: Toxicological information

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11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

a) acute toxicity;	Mucous membrane irritation, cough, shortness of breath, Possible consequences: Damage to the respiratory tract
acute oral toxicity:	If swallowed, severe causticity of the mouth and throat and risk of perforation of the oesophagus and stomach.
b) skin corrosion/irritation;	Corrosive effect on skin and mucous membranes
c) serious eye damage/irritation;	Strong corrosive effect. Causes severe eye damage
d) respiratory or skin sensitisation;	no information available
e) germ cell mutagenicity;	no information available
f) carcinogenicity;	no information available
g) reproductive toxicity;	no information available
h) STOT-single exposure;	no information available
i) STOT-repeated exposure;	no information available
j) aspiration hazard:	no information available

11.2 Information on other hazards**11.2.1 Endocrine disrupting properties**Contains no endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.**11.2.2 Other information**

Decomposition of the substance with the moisture of the tissues. The usual precautionary measures for handling chemicals must be observed.

SECTION 12: Ecological information

12.1 Toxicity:	No information available.
12.2 Persistence and degradability:	No information available.
12.3 Bioaccumulative potential:	No information available.
12.4 Mobility in soil:	No information available.
12.5 Results of PBT and PBT/vPvB:	Not applicable for inorganic substances.
12.6 Endocrine disrupting properties	Contains no endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.
12.7 Other adverse effects	decomposition product reacting with water: Sodium hydroxide Entry into the environment must be avoided.

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

Product	Call the supplier for technical advice in the individual case. Pick up the material and transfer in dry drum, close tightly and store in UN-x-coded transport drum. Sodium disposal must not be attempted by inexperienced people. Transport to incineration plant according to ADR-regulation No. 4.3; I
Large quantities	collect in steel drum and cover with dry oil.
Small quantities	pick up in a small steel bin, let react with Isopropanol, then add water in small quantities

Packaging

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Steel Packaging	clean with isopropanol carefully if necessary and rinse with water before disposal. Do not drain into municipal water system.
Emptied packaging:	Household waste or to recycling companies
Other information	the six-digit waste code is used in accordance with AVV industry-, process-type-, origin- and material-specific, Dispose of in accordance with federal, state and local regulations. Observe Waste Directive 2008/98/EC.

SECTION 14: Transport information**14.1 UN number or ID number:** UN1428**14.2 UN proper shipping name:**

ADR/RID/ADN

NATRIUM

IMDG-Code

SODIUM

ICAO-TI

Sodium

14.3 Transport hazard class(es): 4.3**14.4 Packing group:** I**14.5 Environmental hazards:** Not hazardous to the environment according to dangerous goods regulations**14.6 Special precautions for user****14.7 Maritime transport in bulk according to IMO instruments**

Not transported as bulk cargo.

Rail and Road ADR/RID/GGVSE:

ADR/RID-GGVSE class: 4.3 (W2) Material that emits flammable gases on contact with water.

Kemler-Zahl: X423

UN-NO: 1428

Packaging Group: I

Lable: 4.3

Identification: 1428 Sodium

Limited quantity (LQ): LQ0

Transport category: 1

Tunnel restriction code: B/E

**Sea IMDG/GGVSea:**

IMDG/GGVSea-class: 4.3

UN-NO: 1428

Lable: 4.3

Packaging Group: I

Limited quantity (LQ): LQ0

Identification: SODIUM

EMS: F-G S-N

Air ICAO-TI und IATA-DGR:



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ICAO/IATA-class: 4.3
UN/ID-NO: 1428
Lable 4.3
Packaging Group: I
Identification: SODIUM
IATA (Passenger): Transport forbidden
IATA (cargo plane): Transport accepted
UN "Model Regulation ": UN1428, Sodium, 4.3, I

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****- Seveso Directive**

2012/18/EU (SevesoIII)				
No.	Hazardous substance/hazard categories	Quantity threshold (in tonnes) for use in factory lower and upper classes		Note
01	other hazards (EUH014)	100	500	58)
02	other hazards (water react., cat. 1)	100	500	59)

Note

58) Substances or mixtures with the hazard statement EUH014

59) Substances and mixtures which, in contact with water, emit flammable gases, hazard category 1

Occupational restrictions Take note of Dir 94/33/EC on the protection of young people at Work

Regulation (EC) No 1006/2009 on substance that deplete the ozone layer:

not regulated

Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Dir. 79/117/EEC:

not regulated

Substances of very high concern (SVHC):

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (EACH), Article 57 above respective regulatory concentration limit of $\geq 0.1\%$ (w/w).

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product for quantities below 10 tons or more per year per registrant.

SECTION 16: Other information**a) Indication of where changes have been made to the previous version**

Kap. 2.3 new design

Kap. 5.4 and 5.3 combined under 5.3

Kap. 5.5 deleted

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Kap.7.2 title adjusted and text revised
Kap. 8.1 und 8.2 title adjusted and text revised
Kap. 9 adjusted to legislation 2020/8978/EU
Kap. 10.5 and 10.6 new
Kap. 11.2 Text revised
Kap. 12.6 and 12.7 revised
Section 14 Layout new
Kap. 15.1 Merkblatt M019 Natrium new in the list
Kap. 16b Legend to abbreviations inserted

b) Legend to abbreviations

ADR Accord relatif au transport international des marchandises dangereuses par route
(Convention concerning the International Carriage of Dangerous Goods by Road)
IATA International Air Transport Association

IATA/DGR Dangerous Goods Regulations (DGR) for the air transport (IATA)

ICAO International Civil Aviation Organization

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Règlement concernant le transport International ferroviaire des marchandises
Dangereuses (Regulations concerning the International Carriage of Dangerous Goods by
Rail)

PBT Persistent, Bioaccumulative and toxic

vPvB Very Persistent and very Bioaccumulative

c) Literature

Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances
and mixtures.

Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

e) Full text of H-statements referred to under sections 2 and 3.**Labelling**

Hazard pictograms



Signal word Danger

Hazard statements

H260 in contact with water releases flammable gases which may ignite spontaneously

H314 Causes severe skin burns and eye damage

EUH014 Reacts violently with water

Precautionary statements

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Prevention

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

P301+P330+P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continuous rinsing.
P370+P378 In case of fire: Use metal fire powder for extinction. NO WATER.
P308+P311 IF exposed or concerned: immediately call a POISON CENTER or doctor/physician.

Storage

P402+P404 Store in a dry place. Store in a closed container

f) Training advice

Provide adequate information, instruction and training operators.

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

This information is taken from sources based upon data believed to be reliable.

However, Dr. Bilger Umweltconsulting GmbH makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.

Local laws and regulations have to be considered by the customer upon own responsibility.

Dr. Bilger Umweltconsulting GmbH
 Gewerbepark Birkenhain 7a, 63579 Freigericht
 Sicherheitsdatenblatt gemäß Verordnung (EG)
 1907/2006 (Reach)
 erstellt am: 15.01.2009
 überarbeitet am: 12.05.2016



Dr. Bilger Umweltconsulting GmbH

Druckdatum: 13.05.2016
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SICHERHEITSDATENBLATT

Gemäß Verordnung (EG) 1907/2006 (REACH)

1. Stoff-, Zubereitungs- und Firmenbezeichnung

1.1 Bezeichnung des Stoffes/der Zubereitung

Handelsname:

Natrium

REACH Registrierungsnr.: Vorregistrierungsnummer 05-2114257078-45-0000

1.2 Verwendung des Stoffes/der Zubereitung

- 1.2.1 Identifizierte Verwendungen: Chemische Produktion, Metallurgie, Bleiraffination, Veredelungsmittel für Aluminiumguss, Herstellung von Polyamid12, Bearbeitung oder Ätzen von fluorierten Kunststoffen, Dehalogenierung und Entschwefelung von Mineralöl, als Reduktionsmittel in der chemischen Synthese

Unter Einhaltung der in der Anlage zu diesem SDB beschriebenen Bedingungen.

1.3 Bezeichnung des Unternehmens

Lieferant /Hersteller/	Dr. Bilger Umweltconsulting GmbH
Importeur/nachgeschalteter	Gewerbepark Birkenhain 7a
Anwender/Händler	DE-63579 Freigericht
	Telefon: +49-(0)6051-9166951

e-Mail (fachkundige Person) info@bilgergmbh.de

Kontaktstelle für Information Abt. F+E : Telefon: +49-(0)6051-91669-54

Nationaler Ansprechpartner Abt. F+E : Telefon: +49-(0)6051-91669-54

1.4 Notfallauskunft/: Notfallnummer

Tel.: +49-(0)6051-91669-51
 Diese Nummer ist nur zu Bürozeiten besetzt.

2. Mögliche Gefahren

2.1 Einstufung:

Verordnung (EG) Nr. 1272/2008,	Anhang VII
Gefahrenklasse/- kategorie	Gefahrenhinweis
Wassergefährdungsklasse 1	H260
Skin Corr. 1B	H314

67/548/EWG oder 1999/45/EG	
Gefährlichkeitsmerkmal	R-Sätze
Leichtentzündlich (F)	R 14/15
Ätzend (C)	R 34



2.2 Kennzeichnungselemente



Flamme



Ätzwirkung

Gefahr

H260	In Berührung mit Wasser entstehen entzündbare Gase, die sich spontan entzünden können.
H314	Verursacht schwere Verätzungen der Haut und schwere Augenschäden.
EUH014	Reagiert heftig mit Wasser
P223	Kontakt mit Wasser wegen heftiger Reaktion und möglichem Aufflammen unbedingt verhindern.
P280	Schutzhandschuhe / Schutzkleidung / Augenschutz / Gesichtsschutz tragen.
P303 + P361 + P353	BEI KONTAKT MIT DER HAUT (oder dem Haar): Alle beschmutzten, getränkten Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen/duschen.
P305 + P351 + P338	BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.
P370 + P378	Bei Brand: Metallbrandpulver Klasse D zum Löschen verwenden.
P402 + P404	In einem geschlossenen Behälter an einem trockenen Ort aufbewahren

2.3 Sonstige Gefahren

Keine Daten vorhanden

3. Zusammensetzung / Angaben zu Bestandteilen

3.1 Angaben zum Stoff: Natrium, chemisches Element, Metall

CAS-Nr.: 7440-23-5
 EG-Nr.: 213-132-9
 EINECS: 231-132-9
 Index-Nr.: 011-001-00-0
 VorregistrierungsNr.: 05-2114257078-45-0000
 Reach RegistrierungsNr.: 01-2119484805-27-0001

Reinheit: >99.9 %

3.2 Zusätzliche Hinweise:

Die Übergangsfrist gemäß REACH-Verordnung, Artikel 23, ist noch nicht abgelaufen.

4. Erste-Hilfe-Maßnahmen

4.1 Beschreibung der Erste-Hilfe-Maßnahmen

Allgemeine Hinweise: Beschmutzte Kleidung sofort ausziehen. Bei Auftreten von Gesundheitsstörungen Arzt hinzuziehen.

nach Einatmen: Nach Einatmen des bei den Reaktionen entstehenden Rauchs sofort an die frische Luft gehen. Bei Bewusstlosigkeit stabile Seitenlage anwenden



und ärztlichen Rat einholen. An die frische Luft bringen. Sauerstoff oder, falls erforderlich, künstliche Beatmung. Sofort Arzt hinzuziehen.

- nach Hautkontakt:** Metall mit Spatel entfernen und danach mit viel Wasser spülen bei Kontakt mit flüssigem Natrium sofort Kleidung ausziehen, Natrium mit trockenem Tuch entfernen, mit viel Wasser waschen, Arzt aufsuchen.
- nach Augenkontakt:** Metall sofort sorgfältig entfernen. Kontaktlinsen entfernen. Dann bei geöffnetem Lidspalt gründlich mit viel Wasser spülen, bis zum Eintreffen des Arztes weiterspülen.
- nach Verschlucken:** KEIN Erbrechen erzwingen. Mund ausspülen. Viel Wasser trinken lassen; sofort Arzt konsultieren.
- Hinweise für Arzt:** Behandlung wie Laugenverätzung. Dem Arzt Sicherheitsdatenblatt vorlegen.

4.2 Wichtigste akute oder verzögert auftretende Symptome und Wirkungen

- Symptome:** Verschlucken kann folgende Symptome hervorrufen: Verbrennung, Schmerz, Durchfall, Erbrechen, Erniedrigter Blutdruck, Atemprobleme, Symptome können verzögert auftreten.
- Einatmen kann folgende Symptome hervorrufen: Reizt die Atmungsorgane, veränderte Lungenfunktion oder Atemschwierigkeiten.
- Hautkontakt kann folgende Symptome hervorrufen: Verbrennung
- Augenkontakt kann folgende Symptome hervorrufen: Verbrennung
- Zu den Gesundheitsschäden durch wiederholte Exposition können gehören: Reizung der Atmungsorgane.

4.3 Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung

- Behandlung:** Nach Verschlucken kann ein verspätet auftretender Durchbruch oder eine Verengung des Magen-Darm-Trakts eintreten. Eine genaue Überwachung wird empfohlen.

5. Maßnahmen zur Brandbekämpfung

5.1 geeignete Löschmittel: Metallbrandpulver Klasse D, trockenes Kochsalz, Sand, Zement

5.2 Aus Sicherheitsgründen ungeeignete Löschmittel:

Wasser, CO₂, Löschmittel der Brandklassen A, B, C und E

5.3 Besondere Gefährdung durch den Stoff oder das Produkt selbst, seine Verbrennungsprodukte oder entstehende Gase:

von Zündquellen fern halten wegen möglicher Bildung von Wasserstoff; Verätzung der Schleimhäute, Rauch keinesfalls einatmen; Personen sofort auf windabgewandte Seite bringen

5.4 besondere Schutzausrüstung bei der Brandbekämpfung:

Im Brandfall umluftunabhängigen Atemschutz gegen ätzenden Oxidrauch



5.5 Zusätzliche Hinweise:

Brandklasse: D

6. Maßnahmen bei unbeabsichtigter Freisetzung

6.1 personenbezogene Vorsichtsmaßnahmen: Entfernen von Zündquellen. Gefährdeten Bereich räumen, betroffene Umgebung warnen. Zur Beseitigung des gefährlichen Zustandes darf der Gefahrenbereich nur mit geeigneten Schutzmaßnahmen betreten werden. Feuchtigkeit fernhalten. Atem-, Augen-, Hand- und Körperschutz tragen. Verhindern von Haut- und Augenkontakt

6.2 Umweltschutzmaßnahmen: nicht in die Kanalisation gelangen lassen; Explosionsgefahr!

6.3 Verfahren zur Reinigung/ Aufnahme: Nach Verschütten und Auslaufen kleinerer Mengen vorsichtig trocken aufnehmen und in geeigneten, dicht schließenden X-zugelassenen Behältern sammeln; anschließend mit trockenem Öl abdecken

6.4 Zusätzliche Hinweise: Zündquellen fernhalten, nicht rauchen, offene Flammen vermeiden

7. Handhabung und Lagerung

7.1 Handhabung

7.1.1 Hinweise zum sicheren Umgang Natrium unter Paraffinöl, Stickstoff oder Argon verpackt lagern vor Nässe schützen, Gebinde stets dicht verschlossen halten. Der Arbeitsbereich muss trocken und gut belüftet sein. Personal muss feuerfeste Kleidung, Gestellbrille mit Seitenschutz und nitrilbeschichtete Handschuhe tragen. Mindeststandards gemäß TRGS 500 einhalten. Bei der Gestaltung des Arbeitsverfahrens sind die Modelllösungen der Schutzleitfäden der 100er und 200er-Reihe zu berücksichtigen. (http://www.baua.de/nn_5846/de/Themen-von-A-Z/Gefahrstoffe/EMKG/Schutzleitfaeden)

7.1.1 Hinweise zum Brand- und Explosionsschutz: Ausschluss jeglicher Feuchtigkeit, da mit Wasser heftige Reaktion unter Bildung explosionsfähiger, selbstentzündlicher Wasserstoff-Luft-Gemische (Knallgas). Trocken halten.

7.2 Lagerung

7.2.1 Anforderungen an Lagerräume und Behälter: trocken, keine Sprinkleranlage, Bodenniveau gegenüber Umgebung erhöht
 Anforderung an die Lagerbeschaffenheit gemäß WGK: 1

7.2.2 Zusammenlagerungshinweise: Entsprechend Lagerklasse: siehe Punkt 7.2.4
 nicht mit leicht brennbaren Flüssigkeiten zusammen lagern

7.2.3 Weitere Angaben zu den Lagerbedingungen Empfohlene Lagertemperatur: Lagerung bei Raumtemperatur

7.2.4 Lagerklasse (VCI Konzept) 4.3 Stoffe, die bei Berührung mit Wasser entzündliche Gase bilden.



8. Expositionsgrenzen und persönliche Schutzausrüstung

8.1 Zusätzliche Hinweise zur Ge- Feuerlöscheinrichtungen sind bereitzustellen
staltung techn. Anlagen: Korrosionsgefahr

8.2 Bestandteile mit arbeitsplatzbezogenen, zu überwachenden Grenzwerten:

Entfällt

8.3 Persönliche Schutzausrüstung

8.3.1 allgemeine Schutz- und Hygienemaßnahmen: Berührung mit den Augen und der Haut vermeiden.
 Während der Arbeit nicht essen, trinken, rauchen.
 Auf Trockenheit achten

8.3.2 Atemschutz: In der Regel keine besonderen Schutzmaßnahmen erforderlich.
 In Ausnahmesituationen (z.B. unbeabsichtigte Stofffreisetzung)
 ist das Tragen von Atemschutz erforderlich.

8.3.3 Handschutz: nitrilbeschichtete Handschuhe

8.3.4 Augenschutz: Gestellbrille mit Seitenschutz
 Ist nicht nur das Auge, sondern auch das Gesicht gefährdet,
 ist zusätzlich ein Schutzschirm zu benutzen.

8.3.5 Körperschutz: Generell flammhemmend ausgerüstete Schutzkleidung.
 Bei der Arbeit mit größeren Mengen Natrium ist spezielle
 Schutzkleidung erforderlich; Herstellerliste auf Anfrage

9. Physikalische und chemische Eigenschaften

9.1 Erscheinungsbild

9.1.1 Form: fest

9.1.2 Farbe: metallisch grau

9.1.3 Geruch: geruchlos

9.2 Sicherheitsrelevante Daten

**9.2.1 Schmelzpunkt/
Schmelzbereich** 97,85 °C

9.2.2 Siedepunkt/Siedebereich 892 °C

9.2.3 Zündtemperatur 115 °C

9.2.4 Viskosität (100 °C) 0,68 mPa.s

9.2.5 Dichte (20 °C) 0,97 g/cm³

9.2.6 Löslichkeit in Wasser n. a. / heftige Zersetzung



10. Stabilität und Reaktivität

- 10.1 Zu vermeidende Bedingungen:** hohe Luftfeuchtigkeit, hohe Temperaturen
- 10.2 Zu vermeidende Stoffe:** Wasser, Oxidationsmittel, Luft, Alkohole, Halogene, Säuren
Schwermetallpulver
- 10.3 Gefährliche Zersetzungsprodukte:** mit Wasser heftige Reaktion unter Bildung von Wasserstoff und stark alkalisch ätzender Natronlauge;
Explosionsgefahr durch Bildung von Knallgas; reagiert heftig mit Halogenen, Halogenkohlenwasserstoffen und Oxidationsmitteln
- 10.4 Sonstige Angaben** In geschlossener und unbeschädigter Verpackung ist Natrium mehrere Jahre stabil

11. Toxikologische Angaben

Akute Toxizität:

Primäre Reizwirkung

an der Haut:

am Auge:

Sensibilisierung:

Zusätzliche toxikologische

Hinweise:

Ätzende Wirkung auf Haut und Schleimhaut

Starke Ätzwirkung

Keine sensibilisierende Wirkung bekannt

Bei Verschlucken starke Ätzwirkung des Mundraumes und Rachens sowie Gefahr der Perforation der Speiseröhre und des Magens.

Nach unserem derzeitigen Wissensstand ist die akute und chronische Toxizität dieses Stoffes nicht gänzlich bekannt. Keine Daten zur Klassifizierung dieses Stoffes hinsichtlich seiner Karzinogenität aus EPA, IARC, NTP, OSHA oder ACGIH verfügbar.

12. Angaben zur Ökologie

Allgemeine Hinweise: Wassergefährdungsklasse 1: schwach wassergefährdend

13. Hinweise zur Entsorgung

13.1 Entsorgung / Abfall (Produkt)

13.1.1 Große Natriummengen in einem Behälter mit inertem Lösemittel oder unter Inertgas (z. B. Stickstoff) sammeln.

13.1.2 Kleine Natriummengen vorsichtig in kleinen Portionen in niedrigsiedende Alkohole, z. B. Butanol (Überschuss) eintragen. Das entstandene Alkoholat durch langsame Wasserzugabe zerstören.

13.1.3 Entsorgungsart Verbrennungsanlage

13.1.4 Nachweispflicht ja

13.1.5 ungebrauchtes Produkt in unbeschädigter Verpackung zurück an den Hersteller/Lieferanten

13.2 Verpackungen

13.2.1 ungereinigte Verpackungen sorgfältig mit Isopropanol und anschließend mit Wasser waschen. Nicht in Gewässer oder in die Kanalisation gelangen lassen.



13.2.2 Restentleerte Verpackung: Hausmüll bzw. zu Recycling-Unternehmen

13.3 Sonstige Angaben

Der sechsstellige Abfallschlüssel ist nach AVV branchen-,
 prozessart-, herkunfts- oder abfallartenspezifisch
 zuzuordnen.
 Entsorgen im Einklang mit Bundes-, Länder- und lokalen
 Vorschriften.

14. Angaben zum Transport

14.1 Landtransport ADR/RID/GGVSE:



ADR/RID-GGVS/E Klasse: 4.3 (W2) Stoffe, die in Berührung mit Wasser entzündbare Gase entwickeln
Kemler-Zahl: X423
UN-Nummer: 1428
Verpackungsgruppe: I
Gefahrzettel: 4.3
Bezeichnung d. Gutes: 1428 Natrium
Begrenzte Menge (LQ): LQ0
Beförderungskategorie: 1
Tunnelbeschränkungscode: B/E

14.2 Seeschifftransport IMDG/GGVSee:



IMDG/GGVSee-Klasse: 4.3
UN-Nummer: 1428
Lable 4.3
Verpackungsgruppe: I
Richtiger techn. Name: SODIUM

14.3 Lufttransport ICAO-TI und IATA-DGR :



ICAO/IATA-Klasse: 4.3
UN/ID-Nummer: 1428
Verpackungsgruppe: 4.3
Richtiger techn. Name: SODIUM

UN“Model Regulation“: UN1428, Natrium, 4.3,I

Dr. Bilger Umweltconsulting GmbH
 Gewerbepark Birkenhain 7a, 63579 Freigericht
 Sicherheitsdatenblatt gemäß Verordnung (EG)
 1907/2006 (Reach)
 erstellt am: 15.01.2009
 überarbeitet am: 12.05.2016



Dr. Bilger Umweltconsulting GmbH

Produkt: Natrium
 Version: 2.0 / DE

Druckdatum: 13.05.2016
 Seite 8 von 8

15. Rechtsvorschriften

15.1 Kennzeichnung nach EU-Richtlinien

15.1.1 Kennbuchstabe und

Gefahrenbezeichnung:



F; leicht entzündlich



C; ätzend

15.1.2 R-Sätze

R14/15: Reagiert heftig mit Wasser unter Bildung leichtentzündlicher Gase

15.1.3 S-Sätze

R34: Verursacht Verätzungen

S05: Unter Schutzgas oder Paraffinöl aufbewahren

S08: Behälter trocken halten

S43: Zum Löschen trockenen Sand oder Kochsalz verwenden - kein Wasser verwenden

S45: Bei Unfall oder Unwohlsein sofort Arzt zuziehen (wenn möglich, das Etikett vorzeigen)

15.1.4 berufsgenossenschaftliche/ arbeitsmedizinische Vorschriften:

siehe Natrium-Merkblatt M019 der BG-Chemie

Nationale Vorschriften:

Hinweis zur Beschäftigungsbeschränkung:

Beschäftigungsbeschränkungen für Jugendliche beachten.
 Gebrauch nur durch techn. qualifizierte Personen.

Klassifizierung nach Betriebs-sicherheitsverordnung (BetrSichV):

Wassergefährdungsklasse 1 (Natronlauge aus Reaktion mit Wasser)

16. sonstige Angaben

Arbeitgeber sollen diese Information nur als Ergänzung zu deren eigenen Ergebnissen betrachten und unabhängig über deren Anwendbarkeit entscheiden, sodass die richtige Anwendung und somit die Gesundheit und Sicherheit der Angestellten gewährleistet ist. Diese Information beinhaltet keine gesetzliche Garantie und jeglicher Gebrauch des Produktes abweichend von diesem Sicherheitsdatenblatt, oder der Gebrauch in Kombination mit irgendeinem anderen Produkt oder Prozess obliegt allein der Verantwortung des Anwenders.

R14/15: Reagiert heftig mit Wasser unter Bildung leichtentzündlicher Gase

R34: Verursacht Verätzungen

Merkblatt M 019 Natrium der BG Chemie

Leitfaden Sicherheitsdatenblatt des VCI (Stand April 2008)

Chemikaliengesetz in der Fassung vom 20.06.2002

Gefahrstoffverordnung in der Fassung vom 23.12.2004

Die vorstehenden Angaben stützen sich auf den heutigen Stand unserer Kenntnisse und Erfahrungen und stellen keine Zusicherung von Eigenschaften dar.

Bestehende Gesetze und Bestimmungen sind vom Empfänger unseres Produktes in eigener Verantwortung zu beachten.

Shipper

DR. BILGER UMWELTCONSULTING GMBH
GEWERBEPARK BIRKENHAIN 7A
63579 FREIGERICHT
GERMANY
TAX ID: DE811917936

B/L No.
VER276839



SACO SHIPPING LINE LTD

SACO SHIPPING LINE LIMITED

44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

5/01/BRE/526202

Copy

Consigned to order of

FORJAS Y MAQUINAS S DE RL DE CV
Y/O UPS SCS MEXICO S.A. DE C.V.
DEL. BENITO JUAREZ
CIUDAD DE MEXICO, C.P. 030230
TAX ID: UPS891122HV8
FIDELANTONIO.DELALANZA@TENNECO.COM

Notify Party and address

FORJAS Y MAQUINAS S DE RL DE CV
Y/O UPS SCS MEXICO S.A. DE C.V.
DEL. BENITO JUAREZ
CIUDAD DE MEXICO, C.P. 030230
TAX ID: UPS891122HV8
FIDELANTONIO.DELALANZA@TENNECO.COM

		Place of receipt			
		HAMBURG CFS			
Ocean vessel		Port of loading			
AL MANAMAH		HAMBURG			
Port of discharge		Place of delivery	Freight payable	Number of original Bills of Lading	
VERACRUZ		VERACRUZ CFS	HAMBURG	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.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA, C.P. 06700 MEXICO D.F.
TEL:005255146915, FAX:005252087989
DANIELA.BORJA@INTERTEAM.COM.MX

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

HAMBURG 23.01.2025

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Bürgermeister-Smidt-Str. 128
28195 Bremen
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg.	Measurement, m ³
FEDERAL MOGUL POW ERTRAIN FORJAS Y MAQUINAS S DE RL DE CV JESUS RIVERA FRAN CO 402 CD. INDUSTRIAL AGUASC ALIENTES AGS 2029 0, MEXICO	3 PALLETS	300KG BINAL (NATRIUM IN TIN FOIL) UN 1428, NATRIUM, 4.3, IL (B/E) ORDER:24.12.9-AS HS-CODE:28051100 UN 1428/CLASS 4.3/PG I IMO GROSS WEIGHT: 390,000 KGS IMO NET WEIGHT : 300,000 KGS SODIUM SODIUM		390,000	1,598
STOWED INTO CONTAINER NO.: TRHU6894360				SEAL : K497143	
TOTAL		3 PALLETS		390,000 KGS	1,598 CBM

Shipper
QUALIFIED CARGO SOLUTIONS GMBH
HESSENRING 30
64546 MOERFELDEN-WALLDORF
GERMANY
TAX-ID: DE111656032

B/L No.
VER277022



SACO SHIPPING LINE LTD

Consigned to order of
SEA BRIDGE MEXICO SA DE CV
LAGUNA DE TERMINOS 221 TORRE B PISO 5
OFICINA 504 COL. GRANADA C.P 11520
ALC. MIGUEL HIDALGO, CDMX, MEXICO
TAX ID: SBM0601253SA TEL: +52 55 4161 5990/3
NOTIFICATIONS@SEABRIDGE.MX

Notify Party and address
SEA BRIDGE MEXICO SA DE CV
LAGUNA DE TERMINOS 221 TORRE B PISO 5
OFICINA 504 COL. GRANADA C.P 11520
ALC. MIGUEL HIDALGO, CDMX, MEXICO
TAX ID: SBM0601253SA TEL: +52 55 4161 5990/3
NOTIFICATIONS@SEABRIDGE.MX

SACO SHIPPING LINE LIMITED
44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

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

5/01/BRE/526203

Copy

		Place of receipt HAMBURG CFS	
Ocean vessel AL MANAMAH		Port of loading HAMBURG	
Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS		Freight payable DESTINATION
		Number of original Bills of Lading 0/ZERO	
Marks and Nos. RILSA 2000 S.A. DE CV MEXICO REF.:415641 + 415642	Quantity of Goods 4 PACKAGES	Description of Goods BEARINGS HS: 83022000	Said to contain Gross weight, kg. 1226,000 Measurement, m ³ 1,482

STOWED INTO CONTAINER NO.: TRHU6894360

SEAL : K497143

TOTAL **4 PACKAGES** **1226,000 KGS** **1,482 CBM**

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 23.01.2025

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Bürgermeister-Smidt-Str. 128
28195 Bremen
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Shipper
V. ALEXANDER TRANSPORT SYSTEMS GMBH
MARTINISTRASSE 61
28195 BREMEN
GERMANY

B/L No.
VER277024



SACO SHIPPING LINE LTD

Consigned to order of
INTERFREIGHT DE MEXICO, S.A.
RETORNO 28 NO. 3 INTERIOR 4 COL.
15900 JARDIN BALBUENA, MEXICO CITY
PH:+52(55)7158-3494 CLAUDIA MEJIA
MEXICO / TAX ID: IME970513-TH9

Notify Party and address
INTERFREIGHT DE MEXICO, S.A.
RETORNO 28 NO. 3 INTERIOR 4 COL.
15900 JARDIN BALBUENA, MEXICO CITY
PH:+52(55)7158-3494 CLAUDIA MEJIA
MEXICO / TAX ID: IME970513-TH9

SACO SHIPPING LINE LIMITED

44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

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

5/01/BRE/526204

Copy

		Place of receipt BREMEN CFS				
Ocean vessel AL MANAMAH		Port of loading HAMBURG, DE				
Port of discharge VERACRUZ		Place of delivery VERACRUZ CFS	Freight payable BREIGHT PREPAID	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
VIBRACOUSTIC TOLUCA TOLUCA, MX DN 43882361, 43882363	12	PALLETS	DAMPER, AUTOMOTIVE PARTS 144 CARTONS ON 12 PALLETS HS-CODE: 870899		2239,440	10,214

STOWED INTO CONTAINER NO.: TRHU6894360

SEAL : K497143

TOTAL **12 PALLETS** **2239,440 KGS** **10,214 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

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;

- a) 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
b) 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 23.01.2025

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Bürgermeister-Smidt-Str. 128
28195 Bremen
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



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
HEUBACH GMBH
TAX ID: DE 114764920

HEUBACHSTR. 7
38685 LANGELSHEIM/ GERMANY

B/L No.
VER277051



SACO SHIPPING LINE LTD

Consigned to order of
HEUBACH COLORANTS MEXICO SA DE CV
Y/O DHL GLOBAL FORWARDING
SA DE CV
PLASTICOS NO. 28, COL SANTA CLARA
COATITLA ECATEPEC DE MORELOS 55540*

Notify Party and address
SAME AS CONSIGNEE
ATTN: ANA ISABEL PERALTA
MAIL: ANAISABEL.PERALTA1@HEUBACH.COM
KARLA AGUILERA
MAIL: KARLA.AGUILERA@HEUBACH.COM**

SACO SHIPPING LINE LIMITED
44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

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

5/01/BRE/526205

Copy

		Place of receipt BREMEN CFS	
Ocean vessel AL MANAMAH		Port of loading HAMBURG	
Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS		Number of original Bills of Lading 0/ZERO
Marks and Nos. PO 4506935360	Quantity of Goods 3 PALLETS	Description of Goods 121 PAPERBAGS HEUCODUR YELLOW 255 (P) HS CODE: 32064970 *EDO. MEXICO, MEXICO RFC CPA150831D6A PHONE:(5255) 53 87 32 50 - 53 87 32 84 ** LOGISTIC HEUBACH MX (COL) MAIL: LOGISTICS_HEUBACH_MX@HEUBACH.COM	Said to contain Gross weight, kg. 3121,300 Measurement, m ³ 5,148

STOWED INTO CONTAINER NO.: TRHU6894360

SEAL : K497143

TOTAL **3 PALLETS** **3121,300 KGS** **5,148 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:

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Place and date of issue
BREMEN 23.01.2025

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Bürgermeister-Smidt-Str. 128
28195 Bremen
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Shipper
JL LOGISTIC GMBH
HELTORFER STR. 4
D 40472 DUESSELDORF
GERMANY
VAT NUMBER DE812647837

B/L No.
VER277052



SACO SHIPPING LINE LTD

Consigned to order of
GLADHEIM LOGISTICS S.A. DE C.V.
RIO LERMA 232, PISO 23 INTERIOR A
CUAUHTEMOC 06500, CIUDAD DE MEXICO
MEXICO
RFC. GLO120509173

Notify Party and address
SAME AS CONSIGNEE
PHONE: +52 558852 7479
EMAIL: AVISOS@GLADHEIMLOGISTICS.COM

SACO SHIPPING LINE LIMITED
44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

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

5/01/BRE/526206

Copy

		Place of receipt HEILIGENHAUS	
Ocean vessel AL MANAMAH		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. LCL / LCL TECNOLOGICA GESELLSCHAFT FUER HIGH TECH MATERIALIEN UND VERFAHREN GMBH PR24-0304 HITACHI ASTEMO MEXICO S.A. DE C.V. P/O M249619	Quantity of Goods 1 CASE	Description of Goods MASTER ALLOY HS-CODE: 7604 29 10	Said to contain Gross weight, kg. 535,000 Measurement, m ³ 0,465

STOWED INTO CONTAINER NO.: TRHU6894360

SEAL : K497143

TOTAL	1 CASE	535,000 KGS	0,465 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
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Place and date of issue
BREMEN 23.01.2025

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Bürgermeister-Smidt-Str. 128
28195 Bremen
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Shipper
HBH LOGISTICS GMBH & CO. KG
AN DER POENT 46
40885 RATINGEN
GERMANY
TAX DE261909185

B/L No.
VER277070



SACO SHIPPING LINE LTD

Consigned to order of

SEA CARGO LOGISTICS S.A. DE C.V
LEIBNITZ 117 OFFICE 401 COL ANZURES
MIGUEL HIDALGO, CIUDAD DE MEXICO
C.P. 11590 RFC: SCL090414QE0
MAYRU.GARCIA@SEACARGO.COM
+52 (55) 5231 7141 EXT: 11145

Notify Party and address

SEA CARGO LOGISTICS S.A. DE C.V
LEIBNITZ 117 OFFICE 401 COL ANZURES
MIGUEL HIDALGO, CIUDAD DE MEXICO
C.P. 11590 RFC: SCL090414QE
MAYRU.GARCIA@SEACARGO.COM
+52 (55) 5231 7141 EXT: 11145

SACO SHIPPING LINE LIMITED

44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

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

5/01/BRE/526208

Copy

		Place of receipt HAMBURG CFS	
Ocean vessel AL MANAMAH		Port of loading HAMBURG	
Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS		Freight payable VERACRUZ
		Number of original Bills of Lading 0/ZERO	
Marks and Nos. 4515039839	Quantity of Goods 1 CASE	Description of Goods MOULDS FOR GLASS HS CODE 848050	Said to contain
		Gross weight, kg. 435,000	Measurement, m ³ 0,547

STOWED INTO CONTAINER NO.: TRHU6894360

SEAL : K497143

TOTAL **1 CASE** **435,000 KGS** **0,547 CBM**

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

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Place and date of issue
BREMEN 23.01.2025

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Bürgermeister-Smidt-Str. 128
28195 Bremen
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



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

IMO-ERKLÄRUNG FÜR GEFÄHRLICHE GÜTER

Verantwortliche Erklärung nach § 8 GGVSee

Dieses Formular entspricht SOLAS 74, Kapitel VII Regel 5 ; 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 5; MARPOL 73/78 Annex III regulation 4 and the IMDG-Code, Chapter 5.4

Versender (Name & Anschrift) <i>Shipper (Name & Address)</i> Huf Baolong Electronics Bretten GmbH Gewerbestr. 40 DE - 75015 Bretten		1		Buchungsnummer(n) <i>Reference number(s)</i> LS 86173312, 86173367, 86173514		2	
Empfänger <i>Consignee</i> TW SLP S DE RL DE CV 3065 Av. América / Laguna de San Vicente, Villa de Reyes		3		Beförderer <i>Carrier</i> Sonstiger Spediteur		4	
CONTAINER-PACKZERTIFIKAT / FAHRZEUGBELADEERKLÄRUNG CONTAINER PACKING CERTIFICATE / VEHICLE DECLARATION				5			
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-Nr.: Name/Funktion, Unternehmen/Organisation des Unterzeichners <i>Name/status, company/organization of signatory</i> Ort und Datum <i>Place and date</i> Unterschrift für den Packer <i>Signature on behalf of packer</i> (Frei für Text, Anweisungen und sonstige Angaben) (Reserved for text, instructions or other matter) Emergency Contact+49 7252/970-422 Frank Blessing Senior Manager Logistic			
Schiffsname und Nummer der Reise <i>Ship's name and voyage No.</i>		Ladehafen <i>Port of loading</i>		6		7	
Löschhafen <i>Port of discharge</i>		8		Emergency Contact+49 7252/970-422 Frank Blessing Senior Manager Logistic			
Markierung der Versandstücke Falls zutreffend, Identifikations-Nummer oder aml. Kennzeichen <i>Marks & Nos, if applicable, identification or registration number(s) of the Unit</i>		Anzahl und Verp.- Art <i>No. And kind of packages</i>		Inhalt (richtiger technischer Name) * <i>Proper shipping name (Correct technical name) *</i>		Klasse/Unter-Klasse nach IMO <i>IMO-Class</i>	
84.280stk 10 Paletten		UN3091, LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT, Class 9 NEW COI JAPAN		9, SP 188		3091	
Bruttomasse (kg) <i>Gross mass (kg)</i> Nettomenge/masse <i>Net quantity/mass</i>		9		Kennzeichnung <i>Label</i>		sekundär <i>Label</i>	
2932kg Gross 2660 kg NET		F-A, S-I		Eigenschaft / Properties Flammpunkt / Flashpoint ** MARINE POLLUTANT ** Kontroll- und Notfalltemperatur ** <i>Control- and emergency temperature **</i>		Güter angeliefert als / Goods delivered as: ☒ Stückgut/Breakbulk cargo ☐ Ladungseinheiten (Units Loads) Unitized cargo ☐ Bulkverpackungen/Bulk packages Art der Einheit (Container, Anhänger, Tank, Fahrzeuge usw.) <i>Type of unit (container, trailer, tank, vehicle etc.)</i> ☒ 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)	
* Marken- oder Handelsnamen allein sind nicht ausreichend. Falls zutreffend: (1) das Wort "ABFALL" vor den Namen setzen; (2) "LEER UNGEREINIGT" oder "RÜCKSTÄNDE-ZULETZT ENTHALTEN" hinzufügen;(3) "BEGRENZTE MENGE" hinzufügen. ** Falls nach 5.4 IMDG-Code erforderlich; * Proprietary/trade names alone are not sufficient. If applicable: (1) the word "WASTE" should precede the name, (2) "EMPTY UNCLEANED" or "RESIDUE - LAST CONTAINED" should be added; (3) "LIMITED QUANTITY" should be added. ** When required in chapter 5.4 of the IMDG-Code;							
ZUSÄTZLICHE ANGABEN Unter bestimmten Bedingungen sind besondere Angaben/Bescheinigungen erforderlich; siehe IMDG-Code, Kapitel 5.4 (siehe Rückseite) ADDITIONAL INFORMATION In certain circumstances special information/certification are required, see IMDG-Code, chapter 5.4 (see backside)							
ERKLÄRUNG Hiermit erkläre ich, dass der Inhalt dieser Sendung mit dem (den) richtigen technischen Namen vollständig und genau bezeichnet ist. Die Güter sind nach den geltenden internationalen und nationalen Vorschriften klassifiziert, gepackt, beschriftet und gekennzeichnet/plakatiert und befinden sich in jeder Hinsicht in einem für die Beförderung geeigneten Zustand. DECLARATION I hereby declare that the contents of this consignment are fully and accurately described by the correct technical name(s) (proper shipping name(s)), and are classified, packaged, marked and labelled/placard, and are in all respects in proper condition for transport according to the applicable international and national government regulations.				Name/Funktion, Unternehmen/Organisation des Unterzeichners <i>Name/status, company/organization of signatory</i> Bretten, 29.11.24 Ort und Datum <i>Place and Date</i> Huf Baolong Electronics Bretten GmbH Gewerbestraße 40 75015 Bretten-Gölshausen Unterschrift für den Versender <i>Signature on behalf of shipper</i>			



SAFETY DATA SHEET

The batteries are exempt articles and are not subject to the OSHA Hazard Communication Standard Requirement. This sheet is provided as technical information only. The information and recommendations set forth are made in good faith and are believed to be accurate as of the date of preparation. However, **Maxell makes no warranty expressed or implied.**

Section 1 - Product and Company Identification

Product Name Heat Resistant Coin Type Lithium Manganese Dioxide Battery (CR)	Sizes: All	Date of preparation: Mar. 24, 2017
Company: Hitachi Maxell, Ltd., Energy Division	Telephone Numbers: 81-(0)794-63-8054	
Address (Number, Street, City, State, and ZIP Code): 5, Takumidai, Ono-shi, Hyogo 675-1322, Japan	Fax Numbers: 81-(0)794-63-8445	

Section 2 - Hazards Identification

This contains lithium, organic solvent, and other combustible materials. For this reason, improper handling of the battery could lead to distortion, leakage*, overheating, explosion, or fire and cause human injury or equipment trouble. Please strictly observe safety instructions.

(* Leakage is defined as an unintended escape of liquid from a battery.)

Section 3 - Composition/Information on Ingredients

Ingredient	CAS#	Content (wt %)
Manganese Dioxide (MnO ₂)	1313-13-9	20 to 40
Propylene Carbonate (C ₄ H ₆ O ₃)	108-32-7	3 to 6
1,2-Dimethoxyethane (C ₄ H ₁₀ O ₂)	110-71-4	2 to 5
Lithium Perchlorate (LiClO ₄)	7791-03-9	0.1 to 1
1,3-Propanesultone	1120-71-4	0.1 to 0.3
Lithium or Lithium Alloy (Li)	7439-93-2	1 to 4
Carbon (C)	7782-42-5	1 to 4

Lithium content for each cell

Model	Li content (g)	Model	Li content (g)
CR2450HR	0.15	CR2032HR	0.06
CR2450HR-EX	0.15	CR2032HRS	0.06
CR2050HR	0.1		

Section 4 - First Aid Measures

None unless internal materials exposure. If contents are leaked out, observe following instructions.

Inhalation	Fumes can cause respiratory irritation. Remove to fresh air and consult a physician.
Skin	Immediately flush skin with plenty of water. If itch or irritation by chemical burn persists, consult a physician.
Eyes	Immediately flush eye with plenty of water for at least 15 minutes. Consult a physician immediately.
Ingestion	If swallowing a battery, consult a physician immediately. If contents come into mouth, immediately rinse by plenty of water and consult a physician.

Section 5 - Fire Fighting Measures

Extinguishing Media	Extinguisher of alkaline metal fire is effective. Plenty of cold water is also effective to cool the surrounding area and control the spread fire. But hydrogen gas may be evolved by the reaction of water and lithium and it can form an explosive mixture. Therefore in the case that lots of lithium batteries are burning in a confined space, use a smothering agent (e.g. carbon dioxide or dry sand).
Fire fighting procedure	Use self-contained breathing apparatus and full protective gear not to inhale harmful gas.

Section 6 - Accidental Release Measures

If the battery releases liquid, wipe it with a dry cloth.

Keep the battery away from fire or heat.

Section 7 - Handling and Storage**1) Handling****• Never swallow.**

If a battery is accidentally swallowed, see Section 4 - First Aid Measures.

• Never charge.

The battery is not designed to be charged by any electrical source. Charging can generate gas and internal short-circuiting, leading to distortion, leakage, overheating, explosion or fire.

- **Never heat.**

Heating the battery to more than 100 deg. C can increase the internal pressure, causing distortion, leakage, overheating, explosion or fire.

- **Never expose to naked flames.**

Exposing to naked flames can cause the lithium metal to melt, causing the battery to catch fire and explode.

- **Never disassemble or deform.**

Disassembly or deforming the battery can cause leakage, overheating, explosion or fire due to internal short-circuits.

- **Never reverse the positive and negative terminals when inserting in electrical equipment.**

Inserting the battery incorrectly can lead to short-circuiting, charging or forced-discharging. This can cause distortion, leakage, overheating, explosion or fire.

- **Never short-circuit the battery.**

Do not allow the positive and negative terminals to short-circuit. Never carry or store the battery with metal objects such as necklaces or hairpins. Do not take multiple batteries out of the package and stack or mix them when storing. Otherwise, this can lead to distortion, leakage, overheating, explosion or fire.

- **Never weld the terminals or weld wire to the body of the battery.**

The heat of welding or soldering can cause the lithium to melt or cause damage to the insulating material in the battery. This can cause distortion, leakage, overheating, explosion or fire.

- **Never use different batteries together.**

Using different batteries together, i.e. different types or old/used and new or those of different manufacturers, can cause distortion, leakage, overheating, explosion or fire because of the differences in battery properties. Please consult Maxell before designing devices that use two or more batteries connected in a series or parallel, even with the same battery type.

- **Never touch liquid leaking from a battery.**

If the liquid enters the eyes or mouth, see Section 4 - First Aid Measures.

- **Never allow battery liquid to come into contact with a naked flame.**

If leakage or a strong odor is detected, keep the battery away from all naked flames. The leaked liquid is inflammable.

- **Never attach a battery to the skin.**

Attaching a battery to the skin using tape, etc. should be avoided. Moisture from the skin can cause battery discharge, which can produce certain chemical substances that burn the skin.

2) Storage

Never let the battery contact with water. Never store the battery in hot and high humid place.

Section 8 - Exposure Controls, Personal Protection

Respiratory Protection	NA
Ventilation	NA
Eye Protection	NA
Protective Gloves	NA
Other protective clothing	NA

Section 9 - Physical/Chemical Characteristics

Coin shape with primary cell of 3V nominal voltage.

Section 10 - Stability and Reactivity

Stability: Stable (Performance deterioration depends on circumstance.)

Incompatibility: Water

Hazardous polymerization: Will not occur.

Condition to avoid: See section 7.

Hazardous Decomposition or Byproducts: Hydrogen (By moisture)

Section 11 - Toxicological Information

As the contents are sealed in the battery case, there is no toxicity.

Section 12 - Ecological Information

If the battery is disposed of on land or in water, the battery case may corrode and liquid leak from the battery. Ecological information has not been reported.

Section 13 - Disposal condition

The battery may be regulated by national or local regulation. Please follow the instructions of proper regulation. As electric capacity is left in a discarded battery and it comes into contact with other metals, it could lead to distortion, leakage, overheating, or explosion, so make sure to cover the (+) and (-) terminals with friction tape or some other insulator before disposal.

Section 14 - Transportation Information

- 1) Shipping Name (UN Number): Lithium metal batteries (UN3090)
Lithium metal batteries packed with equipment (UN3091)
Lithium metal batteries contained in equipment (UN3091)
- 2) Hazard Classification: Class 9 (Miscellaneous)
- 3) Method of transportation: As the cells are manufactured under a quality management program in an ISO9001 certified factory and the cells meet all the requirements of a UN manual of tests and criteria, Part III, sub-section 38.3, the applicable packing instructions (PI)

or special provisions (SP) are as per the following table.

The cells or batteries classified in Section II of any Packing Instruction or SP 188 may be exempted from Class 9 Dangerous Goods if complying with all requirements of applicable Section II or SP 188. But lithium metal cells and batteries transported as cargo are restricted to Cargo Aircraft Only.

Note. This does not apply to lithium metal batteries packed with equipment (PI 969) or contained in equipment (PI 970).

Li content per cell	Product name	Air *See Section 15.4)			Sea *See Section 15.5)
		Cell only	Cell packed with equipment	Cell contained in equipment	
not more than 0.3 g	CR2450HR-EX, CR2450HR, CR2050HR, CR2032HR, CR2032HRS	PI968 Section II	PI969 Section II	PI970 Section II	SP188
more than 0.3 g but not more than 1 g	(No)	PI968 Section IB (8 or less cells: Section II)	PI969 Section II	PI970 Section II	SP188
more than 1 g	(No)	PI968 Section IA	PI969 Section I	PI970 Section I	SP230

As specific districts, countries and airlines may establish their own special requirements, the shipper must confirm requirements with the forwarder in advance.

Please confirm the aggregate lithium content when transport the battery.

Section 15 - Regulatory Information

Major applicable regulations for the transportation of lithium metal cells and batteries are as follows:

- 1) UN(United Nations) Recommendations on the Transport of Dangerous Goods: Model Regulations 19th revised edition
- 2) UN(United Nations) Recommendations on the Transport of Dangerous Goods: Manual of Test and Criteria
- 3) International Civil Aviation Organization (ICAO): Technical Instructions for Safety Transport of Dangerous Goods by Air, 2017-2018 Edition
- 4) International Air Transport Association (IATA): Dangerous Goods Regulations, 58th Edition
- 5) International Maritime Organization (IMO): International Maritime Dangerous Goods (IMDG) Code, 2016 Edition

Major environmental regulations are as follows:

- 1) EU Battery Directive 2006/66/EC(2013/56/EU)
- 2) California Code of regulations, Title 22, Division 4.5, Chapter 33: Best Management Practices for Perchlorate Materials

CR Battery

Jan. 2017 Maxell

Reference No. CH170324-1

Section 16 - Other Information

If you want further information, please contact Maxell sales representative.

Shipper
INTRAC H.FEHRMANN GMBH
HOLSTEINER STRASSE 88
28219 BREMEN
TAX D:180933302

B/L No.
VER277076



SACO SHIPPING LINE LTD

Consigned to order of
MIMPO GLOBAL LOGISTICS MEXICO
JOSE VASCONCELOS 105
PISO 9 OFICINA 903
COL. HIPODROMO, ALC. CUAUHTEMOC
CDMX, MEXICO C.P. 06100
TAX ID: MGL191123RRA

Notify Party and address
SAME AS CONSIGNEE
PHONE:+55 11 13 79 84
MAIL: OPERACIONESMGLM@MIMPO.COM

SACO SHIPPING LINE LIMITED
44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

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

5/01/BRE/526209

Copy

		Place of receipt BRETEN			
		Port of loading HAMBURG			
Ocean vessel AL MANAMAH			Port of delivery VERACRUZ CFS	Freight payable BREMEN	Number of original Bills of Lading 0/ZERO
Port of discharge VERACRUZ					
Marks and Nos. 86173514 / 1-9 86173367 / 1-1 86173312 / 1-1	Quantity of Goods 11 PACKAGES	Description of Goods AUTOMOTIVE PARTS HS-CODE 90262020 INKL. UN3091, LITHIUM METAL BATTERI ES CONTAINED IN EQUIPMENT, CLASS 9 NEW COI JAPAN 2932 KG GROSS 2660 KG NET	Said to contain	Gross weight, kg. 3227,000	Measurement, m ³ 15,061

STOWED INTO CONTAINER NO.: TRHU6894360

SEAL : K497143

TOTAL **11 PACKAGES** **3227,000 KGS** **15,061 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 23.01.2025

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Bürgermeister-Smidt-Str. 128
28195 Bremen
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Shipper

RHENUS FREIGHT LOGISTICS GMBH & CO. KG
AIR & OCEAN DIVISION
OTTO-LILIENTHAL-STR. 25
28199 BREMEN
GERMANY

B/L No.
VER277095



SACO SHIPPING LINE LTD

Consigned to order of

BLU CARGO & LOGISTICS SAPI DE CV
AV. INSURGENTES SUR 1602 PISO 7 OFICINA
703, CRÉDITO CONSTRUCTOR
BENITO JUÁREZ, CDMX 03940, MÉXICO
RFC OL&031218NL9
PHONE: +52 55 5661-9992
IMPORT.MEXICO@RHENUS.COM

Notify Party and address

RHENUS AIR & OCEAN MEXICO S.A. DE CV
AS AGENT FOR CLOUD OCEAN LINE LTD
AVENIDA RIO CHURUBUSCO 601
PISO 17 OFICINA 04 COLONIA XOCO
ALCALDIA BENITO JUAREZ CP 03330
3330 CO CITY MEXICO

SACO SHIPPING LINE LIMITED

44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

ALL COSTS, CHARGES,
LIABILITIES AND DELAYS
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LABELLING OF NON-WOODEN
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5/01/BRE/526211

Copy

		Place of receipt BREMEN CFS	
Ocean vessel AL MANAMAH		Port of loading HAMBURG	
Port of discharge VERACRUZ	Place of delivery QUERETARO CFS		Freight payable VERACRUZ
		Number of original Bills of Lading 0/ZERO	
Marks and Nos. AMERICAN INDUSTRI ES DE QUERETARO S .A.DE 81955247 STOWED INTO CONTAINER NO.: TRHU6894360	Quantity of Goods 1 PALLET	Description of Goods ANGULAR TAB HEADER HS CODE: 85366930	Said to contain Gross weight, kg. 117,000 Measurement, m ³ 0,365

SEAL : K497143

TOTAL **1 PALLET** **117,000 KGS** **0,365 CBM**

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.

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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 23.01.2025

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Bürgermeister-Smidt-Str. 128
28195 Bremen
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Shipper
NGL NAVIGATOR GLOBAL LOGISTICS GMBH
FELIX-WANKEL-STRASSE 3
STUHR NI 28816 GERMANY

B/L No.
VER277127



SACO SHIPPING LINE LTD

Consigned to order of
NGL NAVIGATOR GLOBAL LOGISTICS S. DE R.L
DE C.V.
CALZADA ZA VALETA 1306 SANTA CRUZ
BUENAVISTA
PUEBLA PUE 72150 MEXICO
+522225036510
SEA@NGL-MEXICO.COM / RFC+NNG201012KD4

Notify Party and address

SACO SHIPPING LINE LIMITED
44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

ALL COSTS, CHARGES,
LIABILITIES AND DELAYS
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5/01/BRE/526212

Copy

		Place of receipt BREMEN CFS	
Ocean vessel AL MANAMAH		Port of loading HAMBURG, GERMANY	
Port of discharge VERACRUZ, MEXICO	Place of delivery VERACRUZ, MEXICO CFS		Freight payable BREMEN
		Number of original Bills of Lading 0/ZERO	
Marks and Nos. TUNKERS MEXICO 01441 340492	Quantity of Goods 2 PALLETS	Description of Goods MACHINERY PARTS HS-CODE: 392690,761090, 847990, 853710	Said to contain Gross weight, kg. 939,000 Measurement, m ³ 1,812

STOWED INTO CONTAINER NO.: TRHU6894360

SEAL : K497143

TOTAL **2 PALLETS** **939,000 KGS** **1,812 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 23.01.2025

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Bürgermeister-Smidt-Str. 128
28195 Bremen
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Shipper
V. ALEXANDER TRANSPORT SYSTEMS GMBH
MARTINISTRASSE 61
28195 BREMEN
GERMANY

B/L No.
VER277148



SACO SHIPPING LINE LTD

Consigned to order of
INTERFREIGHT DE MEXICO, S.A.
RETORNO 28 NO. 3 INTERIOR 4 COL.
15900 JARDIN BALBUENA, MEXICO CITY
PH:+52(55)7158-3494 CLAUDIA MEJIA
MEXICO / TAX ID: IME970513-TH9

Notify Party and address
INTERFREIGHT DE MEXICO, S.A.
RETORNO 28 NO. 3 INTERIOR 4 COL.
15900 JARDIN BALBUENA, MEXICO CITY
PH:+52(55)7158-3494 CLAUDIA MEJIA
MEXICO / TAX ID: IME970513-TH9

SACO SHIPPING LINE LIMITED
44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

ALL COSTS, CHARGES,
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5/01/BRE/526213

Copy

		Place of receipt BREMEN CFS	
Ocean vessel AL MANAMAH		Port of loading HAMBURG, DE	
Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS		Freight payable BREMEN
		Number of original Bills of Lading 0/ZERO	
Marks and Nos. VIBRACOUSTIC TOLUCA TOLUCA, MX DN 43891951, 43891954	Quantity of Goods 10 PALLETS	Description of Goods DAMPER, AUTOMOTIVE PARTS 120 CARTONS ON 10 PALLETS HS-CODE: 870899	Said to contain Gross weight, kg. 1863,680 Measurement, m ³ 9,223

STOWED INTO CONTAINER NO.: TRHU6894360

SEAL : K497143

TOTAL 10 PALLETS 1863,680 KGS 9,223 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		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; a) 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 b) 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.
Declared Value of the Goods (see clause 12) US\$ Ad valorem freight paid:		Place and date of issue BREMEN 23.01.2025
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		Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED SACO Shipping GmbH Bürgermeister-Smidt-Str. 128 28195 Bremen Germany As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Shipper
ALEXANDER BINZEL
SCHWEISSTECHNIK GMBH & CO. KG
KIESACKER 3 - 9
DE - 35418 BUSECK

B/L No.
VER277149



SACO SHIPPING LINE LTD

Consigned to order of
BINZEL, S.A.DE C.V.
MUNICIPIO DE TEPEZAL #109
VALLE DE AGUASCALIENTES (P.I.V.A.
20358 SAN FCO.DE LOS ROMO, AGS MEXI
TAX-ID: BSC 980824 R84

Notify Party and address
SAME AS CONSIGNEE
LOZANO@BINZEL.COM.MX
MR HECTOR LOZANO
TEL. + 52(440)9730116

SACO SHIPPING LINE LIMITED
44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

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

5/01/BRE/526214

Copy

		Place of receipt BREMEN CFS			
Ocean vessel AL MANAMAH		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.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg.	Measurement, m ³
BINZEL S.A. DE C.BV. MUNICIPIO DE TEPEZAL #109 VALLE DE AGUASCALIENTES 20358 SAN FCA DE LOS ROMO MEXICO REF# 32500004 + 32403538	2 PACKAGES	WELDING TORCHES AND SPAREPARTS REF# 32500004 + 32403538 HS CODES: 851590, 391732, 391739, 400931, 731815, 851590		584,000	1,872

STOWED INTO CONTAINER NO.: TRHU6894360

SEAL : K497143

TOTAL **2 PACKAGES** **584,000 KGS** **1,872 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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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 23.01.2025

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Bürgermeister-Smidt-Str. 128
28195 Bremen
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Shipper
EXPEDITORS INTERNATIONAL GMBH
IN DE TARPEN 32
VAT DE 111628633
22848 NORDERSTEDT
GERMANY

B/L No.
VER640478



SACO SHIPPING LINE LTD

SACO SHIPPING LINE LIMITED
44, Kroytser
PANORAMA Residence
Block A, Flat 01
3120 Limassol CYPRUS
FMC Organization No. 025875

5/01/BRE/526210

Copy

Consigned to order of
EXPEDITORS INTL DE MEXICO,SA DE CV
INSURGENTES SUR 730 PISO 3
COL. DEL VALLE EIM95080293A
MEXICO CITY DF 03104 MEXICO
EMAIL: _____ ???

Notify Party and address
EXPEDITORS INTL DE MEXICO,SA DE CV
INSURGENTES SUR 730 PISO 3
COL. DEL VALLE EIM95080293A
MEXICO CITY DF 03104
MEXICO

		Place of receipt HAMBURG CFS	
Ocean vessel AL MANAMAH		Port of loading HAMBURG	
Port of discharge VERACRUZ	Place of delivery VERACRUZ CFS		Freight payable DESTINATION
		Number of original Bills of Lading 0/ZERO	
Marks and Nos. EI REF: 622218278	Quantity of Goods 2 PALLETS	Description of Goods Said to contain GENERAL CONTRACT RATE: 2 PALLETS STC SENSORS HTS#853890 CONNECTOR CABLE HTS#854420 GROSS WEIGHT: 242 KG SENSORS FREIGHT COLLECT	Gross weight, kg. 242,000
		Measurement, m ³ 1,632	

STOWED INTO CONTAINER NO.: TRHU6894360

SEAL : K497143

TOTAL	2 PALLETS	242,000 KGS	1,632 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.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA,C.P. 06700 MEXICO D.F.
TEL:005255146915,FAX:005252087989
DANIELA.BORJA@INTERTEAM.COM.MX

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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- 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
HAMBURG 23.01.2025

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Bürgermeister-Smidt-Str. 128
28195 Bremen
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL

