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TYP: B/L	88
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 MAERSK		NON-NEGOTIABLE WAYBILL		SCAC MAEU B/L No. 721641718
Shipper (As principal, where "care of", "c/o", or other variants used.) SACO SHIPPING GMBH AS AGENT OF SACO SHIPPING LINE LIMITED WOLLKAEMMEREISTR. 1 D-21107 HAMBURG / GERMANY TAX-ID. DE-118597456		Booking No. 721641718 Export references 609HAM1680CYGR		
Consignee (Negotiable only if consigned "to order", "to order of" a named Person or "to order of bearer". As principal, where "care of", "c/o", or other variants used.) INTERTEAM, S.A. DE C.V. COLIMA 114, INT 201 COLONIA ROMA, C.P. 06700 MEXICO CITY. TEL: +525555149897 TAX ID: INT961206ES7 CTC: MARCELA GODINEZ		Svc Contract 299542652 This contract is subject to the terms, conditions and exceptions, including the law & jurisdiction clause and limitation of liability & declared value clauses, of the current Maersk Bill of Lading (available from the Carrier, its agents and at terms.maersk.com/carriage), which are applicable with logical amendments (mutatis mutandis). To the extent necessary to enable the Consignee to sue and to be sued under this contract, the Shipper on entering into this contract does so on his own behalf and as agent for and on behalf of the Consignee and warrants that he has the authority to do so. The shipper shall be entitled to change the Consignee at any time before delivery of the goods provided he gives the Carrier reasonable notice in writing. Delivery will be made to the Consignee or his authorised agent on production of reasonable proof of identity (and, in the case of an agent, reasonable proof of authority) without production of this waybill. The Carrier shall be under no liability whatsoever for misdelivery unless caused by the Carrier's negligence.		
Notify Party (see clause 22) SAME AS CONSIGNEE EMAIL: IMPORT@INTERTEAM.COM.MX		Onward inland routing (Not part of Carriage as defined in clause 1. For account and risk of Merchant)		
Vessel MAERSK FELIXSTOWE	Voyage No. 638W	Place of Receipt. Applicable only when document used as Multimodal Waybill Hamburg		
Port of Loading Bremerhaven	Port of Discharge Altamira	Place of Delivery. Applicable only when document used as Multimodal Transport B/L. (see clause 1)		

PARTICULARS FURNISHED BY SHIPPER

Kind of Packages; Description of goods; Marks and Numbers; Container No./Seal No. 1 Container Said to Contain 49 PACKAGE HASU 432190-0 40/DRY 9'6 2 PACKAGES GROSS WEIGHT: 426.000 KGS MEASUREMENT: 1.123 CBM WELDING MATERIAL INSULATIONS HS: 85159080, 65070000, 85472000, 85334090, 39269097 39206100, 72222031, 72299090 2 PACKAGES GROSS WEIGHT: 586.000 KGS MEASUREMENT: 0.518 CBM S.T.C. PARTS FOR WIND TURBINES HS CODE: 85072080 INV: 9990673820 1 CASE GROSS WEIGHT: 840.000 KGS MEASUREMENT: 5.080 CBM 1 PC THREAD ROLLING	Weight 11197.670 KGS	Measurement 52.486 CBM
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Below freight details will not be part of Original Bill of Lading unless requested by customer
 Above particulars as declared by Shipper, but without responsibility of or representation by Carrier.

Freight & Charges		Rate	Unit	Currency	Prepaid	Collect
Charges Name Basic Ocean Freight Container Protect Essential Documentation fee - Destination	Prepaid/Collect Prepaid Collect Collect	Invoice Party SACO SHIPPING GMBH	Customer Code 11314343	Collection Business Unit Maersk Deutschland (Hamburg)		
Carrier's Receipt. Total number of containers or packages received by Carrier. 1 container	Place of Issue of Waybill Mumbai		Shipped, as far as ascertained by reasonable means of checking, in apparent good order and condition unless otherwise stated herein the total number or quantity of Containers or other packages or units indicated in the box opposite entitled "Carrier's Receipt"			
Shipped on Board Date (Local Time)	Date Issue of Waybill					
Declared Value Charges (see clause 7.3 of the Maersk Bill of Lading) for Declared Value of US\$						
Signed for the Carrier Maersk A/S						
This transport document has one or more numbered pages						

As Agent(s)

MACHINE
 BRAND: KYOEI
 MODEL: SR-0
 SERIAL NUMBER 0612564
 YEAR OF MANUFACTURE 1996
 EJOT ASSET NO. 28100463
 EJOT WORKPLACE 32455
 CUSTOMS TARIFF
 NO.:84632000
 9 PALLETS GROSS WEIGHT: 3484.000 KGS MEASUREMENT: 9.654 CBM
 SPARE PARTS
 HS CODE: 73202020
 THE PACKAGING IS NOT
 TRANSPORT
 RELATED PACKED. ACCORDING
 TO
 CHAPTER 11 / PARAGRAPH C
 OF
 THE SACO SHIPPING LINE LTD
 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.
 1 PKG GROSS WEIGHT: 68.000 KGS MEASUREMENT: 0.366 CBM
 CABLE REEL VLF221

Freight & Charges		Rate	Unit	Currency	Prepaid	Collect
Charges Name	Prepaid/Collect	Invoice Party	Customer Code	Collection Business Unit		
Terminal Handling Service - Destination	Collect					
Emergency Bunker Surcharge	Prepaid	SACO SHIPPING GMBH	11314343	Maersk Deutschland (Hamburg)		
Export Intermodal Fuel Fee	Prepaid	SACO SHIPPING GMBH	11314343	Maersk Deutschland (Hamburg)		
Emission Surcharge	Prepaid	SACO SHIPPING GMBH	11314343	Maersk Deutschland (Hamburg)		
Inland Haulage Export	Prepaid	SACO SHIPPING GMBH	11314343	Maersk Deutschland (Hamburg)		
Peak Season Surcharge	Prepaid	SACO SHIPPING GMBH	11314343	Maersk Deutschland (Hamburg)		
Value Protect Starter	Prepaid	SACO SHIPPING GMBH	11314343	Maersk Deutschland (Hamburg)		

TUBES
 HS 73064080
 5 PALLETS GROSS WEIGHT: 551.970 KGS MEASUREMENT: 4.617 CBM
 SEALS FOR AUTOMOTIVE AS
 PER
 INVOICE# 85398326,
 85398327
 HTS: 392690
 LOADED ON 5 PALLETS
 SCAC:UEUR AMS REF:
 7157976243
 HSCODE: 392690

HASU4321900 40 DRY 9'6 49 PACKAGE 11197.670 KGS 52.486 CBM
 Shipper Seal : B199134

The Merchant(s) warrant and represent that this shipment and/or Goods will comply at all times with European Union, United States and United Nations sanctions and/or export control laws (Sanctions Laws), and that this shipment and/or Goods do not involve, whether directly or indirectly, any entity or person identified, or owned or controlled by any such entity or person identified, on the U.S. Treasury Departments Office of Foreign Asset Control (OFAC) list of Specially Designated Nationals and Blocked Persons, or any other similar list maintained by the European Union, or as promulgated by the United Nations Security Council (Designated Person). If, in the Carriers reasonable opinion, this shipment and/or Goods are in violation of the Carriers policy on Russia [<https://www.maersk.com/news/articles/2022/02/24/russia-ukraine-situation-update>], Sanctions Laws or involves any Designated Person, the shipment and/or Goods will be returned to the origin at Carriers sole and unfettered discretion, and the Merchant(s) shall indemnify and hold harmless the Carrier, its servants and agents, for any breach of this clause. The Merchant(s) agree that the Carrier may stop the shipment and/or Goods in transit or withhold release of the shipment and/or Goods pending any investigation into compliance with this clause by the Merchant(s).

SHIPPER'S LOAD, STOW, WEIGHT AND COUNT
 FREIGHT PREPAID
 SD/CY

Freight & Charges		Rate	Unit	Currency	Prepaid	Collect
Charges Name	Prepaid/Collect	Invoice Party	Customer Code	Collection Business Unit		

Manifest

Page: 1

Container-No.: HASU4321900 40' HIGH CUBE CONTAINER Seal-No.: B199134

Vessel: SAC2203 / MAERSK FELIXSTOWE

ETS:

Master-B/L.: 721641718

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
33907377	ALM259597 EXXI OY LCL/LCL	2	PACKAGES	S.T.C. WHITE POLYESTER LABELS ROLL BLACK RESIN RIBBON HS 391910 ATD HELSINKI 18-SEP-2026	506.000	1.258
83698101	VESTAS FO: 5200028034	2	PACKAGES	S.T.C. PARTS FOR WIND TURBINES HS CODE: 85072080 INV: 9990673820	586.000	0.518
ALM259407	1004366062 1004366033	2	PACKAGES	WELDING MATERIAL INSULATIONS HS: 85159080, 65070000, 85472000, 85334090, 39269097 39206100, 72222031, 72299090	426.000	1.123

Manifest

Page: 2

Container-No.: HASU4321900 40' HIGH CUBE CONTAINER Seal-No.: B199134

Vessel: SAC2203 / MAERSK FELIXSTOWE

ETS:

Master-B/L.: 721641718

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
ALM259530	ALM259530 E-8378-001	1	CASE	1 PC THREAD ROLLING MACHINE BRAND: KYOEI MODEL: SR-0 SERIAL NUMBER 0612564 YEAR OF MANUFACURE 1996 EJOT ASSET NO. 28100463 EJOT WORKPLACE 32455 CUSTOMS TARIFF NO.:84632000 COUNTRY OF ORIGIN:JAPAN DELIVERY: DAP MX-78395 SAN LUIS POTOSI	840.000	5.080

Manifest

Page: 3

Container-No.: HASU4321900 40' HIGH CUBE CONTAINER Seal-No.: B199134
Vessel: SAC2203 / MAERSK FELIXSTOWE
ETS:
Master-B/L.: 721641718

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
ALM259535	ALM259535 IKANO INDUSTRY MEXICO	9	PALLETS	SPARE PARTS HS CODE: 73202020 * TEL: +52 81 2188 0466 THE PACKAGING IS NOT TRANSPORT RELATED PACKED. ACCORDING TO CHAPTER 11 / PARAGRAPH C OF THE SACO SHIPPING LINE LTD 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.	3484.000	9.654
ALM259584	4500535959 ALMESA COMERCIAL DE ORIENTE SA DE CV EXT. 24 INT. DIV-1 MEX 72730 CUAUTLANCINGO,, PUE	1	PACKAGE	CABLE REEL VLF221 HS-CODE: ??????	68.000	0.366
ALM259585	ALM259585 GIESSER JG2026/08/36/1-19	2	PALLETS	KNIFES HS CODE:821192	450.000	2.705

Manifest

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Container-No.: HASU4321900 40' HIGH CUBE CONTAINER Seal-No.: B199134

Vessel: SAC2203 / MAERSK FELIXSTOWE

ETS:

Master-B/L.: 721641718

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
ALM259595	CFS ALTAMIRA PROFORMA INVOICE 90009533	2	PACKAGES	STAINLESS WELDED PROCESS TUBES HS 73064080	1006.500	0.720
ALM259595	CFS ALTAMIRA PE RSONA M/N	5	PACKAGES	PLASTIC HANDLE HS CODE:_____???	742.000	9.540
ALM259595	CONTITECH MEXICAN A CFS: ALTAMIRA R EF. NUM: 26080001 7 / PACKING LIST 17	4	PACKAES	OUTER RING BUSHINGS HS CODE: 3908 1000	494.000	5.078
ALM259603	ALM259603 SIEMENS ENERGY, S. DE R.L. DE C.V. PO 4800953051 DN SIEFA0044645822	1	CASES	S.T.C. SURGE ARRESTER INVOICE: 477QGP51848128 HS-CODE: 85354000	154.000	0.523
ALM259605	AUTOMOVIO GUADALA JARA MEXICO	11	PACKAGES	AUTOMOTIVE SPARE PARTS HS CODE:85389091	1386.000	9.614
ALM259622	ALM259622 CCONSORCIO INDUST RIAL MEXICANO-SLP , MEXICO DN: 51074765	1	PALLET	AUTOMOTIVE PARTS HS CODE: 73181660 INVOICE: VR17457627	319.000	0.384
ALM259628	ALM259628 BMTS TECHNOLOGY S. DE RL DE C.V. LS00419604	1	PALLET	COMPRESSOR WHEEL INVOICE: 95006844 HS CODE:841490	184.200	1.306

Manifest

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Container-No.: HASU4321900 40' HIGH CUBE CONTAINER Seal-No.: B199134

Vessel: SAC2203 / MAERSK FELIXSTOWE

ETS:

Master-B/L.: 721641718

BL-Ref	Marks & Nos	Qty	Packing	Description of goods	Kos	Cbm
ALM259643	ALM259643 SN: 7157976243 AV. ISODRO LOPEZ ZERTUCHE SALTILLO MEXICO REF 85398327, 85398326 NAC UPS - SPATIV	5	PALLETS	SEALS FOR AUTOMOTIVE AS PER INVOICE# 85398326, 85398327 HTS: 392690 LOADED ON 5 PALLETS SCAC:UEUR AMS REF: 7157976243 **HSCODE: 392690**	551.970	4.617

Total

Quantity
49

Grossweight Measurement
11.197.670 52.486



SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS) STRAIT AIR TRANSPORT OY AB VAT FI15672408 RAHTITIE 3 FI-01530 VANTAA FI-FINLAND SARI SILLANPÄÄ OCEANHELEXPORT@STRAITAIR.COM		BOOKING NO. 33907377	BILL OF LADING NO. 33907377
CONSIGNEE (NOT NEGOTIABLE UNLESS CONSIGNED TO ORDER) HELLMANN WORLDWIDE LOGISTICS S.A. DE C.V. TAX ID: HWL010328I30 CALLE 28 NO. 90 BODEGA A COL. FEDERAL 15700 DEL. VENUSTIANO CARRANZA, CDMX AMCS-MX-PREALERTS@HELLMANN.COM		EXPORT REFERENCES 20001825	
NOTIFY PARTY (COMPLETE NAME AND ADDRESS) SAME AS CONSIGNEE		FORWARDING AGENT, F.M.C. NO STRAIT AIR TRANSPORT OY AB VAT FI15672408 RAHTITIE 3 FI-01530 VANTAA	
PRE-CARRIAGE BY* FINNMILL		PLACE OF RECEIPT BY PRE-CARRIER* HELSINKI	TRANSHIPMENT PORT
EXPORT CARRIER (VESSEL/VOY/FLAG) CLEMENS SCHULTE 639W	PORT OF LOADING HAMBURG	LOADING PIER/TERMINAL CFS / CFS	2609333026
PORT OF DISCHARGE ALTAMIRA	PLACE OF DELIVERY BY ON CARRIER* ALTAMIRA	NUMBER OF ORIGINALS 0/EXPRESS	

PARTICULARS FURNISHED BY SHIPPER

MARKS & NOS/CONTAINER NOS	NO. OF PKGS	DESCRIPTION OF PACKAGES AND GOODS	GROSS WEIGHT	MEASUREMENT
EXXI OY LCL/LCL	2	PACKAGES S.T.C. WHITE POLYESTER LABELS ROLL BLACK RESIN RIBBON HS 391910 ATD HELSINKI 18-SEP-2026 FREIGHT COLLECT	1115.539 Lbs 506.000 Kgs	44.411 Cbf 1.258 Cbm
Due to ongoing operational and regional constraints affecting logistics flows into the Middle East, shipments destined for this region may experience delays. Additionally, extra charges may apply depending on the final routing and service adjustments required. SHIPPER'S COUNT				
For notification purpose only				

Page 1 of 1

Total:

1115.539 Lbs
506.000 Kgs44.411 Cbf
1.258 CbmSHIPPER'S DECLARED VALUE \$
SUBJECT TO EXTRA FREIGHT AS PER TARIFF AND CLAUSE 8 (3) OF THIS B/L

FREIGHT & CHARGES	BASIS	RATE	PREPAID	COLLECT
OCEAN FREIGHT	WM	65.00		USD 81.77
EMERGENCY PEAK SEASON	WM	18.00		USD 22.64
EMERGENCY RECOVERY CHG	WM	24.00		USD 30.19
IMO2020	WM	2.00		USD 2.52
EMERGENCY BUNKER ADJUSTMENT FACTOR	WM	6.00		USD 7.55
EMISSION TRADING SYSTEM SURCHARGE	WM	3.00		USD 3.77
TOTAL				USD 148.44

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 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 and Carrier has given written agreement to the contrary prior to Carrier's acceptance of the Goods, or if this is an Express Bill, then Carrier may give delivery of the Goods to the named Consignee in 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. Where 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 Delivery Order. IN WITNESS WHEREOF the Carrier or their Agent has signed the number of Bills of Lading stated above, all of this tenor and date, and wherever as required by this Bill one original Bill of Lading has been surrendered all other Bills of Lading shall be void.

DATED HELSINKI ON OCT 02, 2026
AT
BY SHIPCO TRANSPORT AS CARRIER

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS) MAERSK LOGISTICS & SERVICES DENMARK A/S BREDSKIFTE ALLE 13 8210 AARHUS DENMARK DENMARK.ICL.EXP@INS.MAERSK.COM		BOOKING NO. 83698101	BILL OF LADING NO. 83698101
CONSIGNEE (NOT NEGOTIABLE UNLESS CONSIGNED TO ORDER) MAERSK LOGISTICS & SERVICES MEXICO, S.A. DE C.V. BOULEVARD MANUEL AVILA CAMACHO 32, PISO 21, LOMAS DE CHAPULTEPEC, MIGUEL HIDALGO, III SECCION.CP. 11000 RFC: DLM000704FD6		EXPORT REFERENCES S26SAAR0075511_LCL	
NOTIFY PARTY (COMPLETE NAME AND ADDRESS) SAME AS CONSIGNEE MAIL ID: ** PLEASE ADVISE ** ???		FORWARDING AGENT, F.M.C. NO MAERSK LOGISTICS & SERVICES DENMARK A/S BREDSKIFTE ALLE 13 AARHUS C 8210 DK-DENMARK	
		POINT AND COUNTRY OF ORIGIN OF GOODS	
		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 AARHUS, 8000		
EXPORT CARRIER (VESSEL/VOY/FLAG) MAERSK FELIXSTOWE 638W	PORT OF LOADING BREMERHAVEN	LOADING PIER/TERMINAL DOOR / CFS	
PORT OF DISCHARGE ALTAMIRA	PLACE OF DELIVERY BY ON CARRIER* ALTAMIRA	NUMBER OF ORIGINALS 0/EXPRESS	

PARTICULARS FURNISHED BY SHIPPER				
MARKS & NOS/CONTAINER NOS	NO. OF PKGS	DESCRIPTION OF PACKAGES AND GOODS	GROSS WEIGHT	MEASUREMENT
VESTAS FO: 5200028034	2	PACKAGES S.T.C. PARTS FOR WIND TURBINES HS CODE: 85072080 INV: 9990673820 FREIGHT PREPAID	1291.907 Lbs 586.000 Kgs	18.310 Cbf 0.518 Cbm

Due to ongoing operational and regional constraints affecting logistics flows into the Middle East, shipments destined for this region may experience delays. Additionally, extra charges may apply depending on the final routing and service adjustments required.

For notification purpose only

Page 1 of 1

Total: 1291.907 Lbs
586.000 Kgs

18.310 Cbf
0.518 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

[illegible]

DATED
AT COPENHAGEN ON SEP 25, 2026
BY SHIPCO TRANSPORT AS CARRIER



GS Yuasa Battery Europe Ltd.
SAFETY DATA SHEET
 In accordance with REACH Regulation EC No. 453/2010

Document:	SDS 01
Issue No:	16
Issue Date:	11/03/2019
Page:	1 of 11

SECTION 1: IDENTIFICATION OF THE PRODUCT AND OF THE MANUFACTURER/SUPPLIER

1.1	Product Identifier:	Valve Regulated Lead-Acid (VRLA) Industrial Battery
	Classification:	Battery, wet, non-spillable, electric storage (Mixture) Substance classification: UN 2800
	Product Codes:	EN & ENL, NP, NPC, NPH, NPL, NPW, RE, REC, REW, SW, SWL, TEV, FXH, UXH, UXL, Yucel, YPC and YFT Series of Industrial VRLA Batteries
1.2	Relevant Identified Uses Of The Product And Uses Advised Against	<u>Relevant identified uses:</u> Standby: Telecoms; UPS; alarm and security systems; emergency lighting; utility switching Cyclic: Golf Trolleys, portable tools, portable lighting, wheelchairs, remote telemetry Energy storage: Photovoltaic energy systems (PVES); wind turbines <u>Uses advised against:</u> Automotive, commercial, and agricultural SLI applications <u>Reason why uses advised against:</u> High starting and ignition current demands beyond the design of internal and external current carrying components
1.3	Details Of The Supplier Of The Safety Data Sheet	Supplier: GS Yuasa Battery Europe Ltd, Address: Unit 22, Rassau Industrial Estate, Ebbw Vale, NP23 5SD United Kingdom Contact: Mike TAYLOR (Product Manager) Tel: (+44) 07733 302 242 e-mail: mike.taylor@yuasa-europe.com Language: English language only Available: Office hours only: 8am to 4:30pm (08:00 to 16:30)
	National Contacts:	<u>France:</u> GS Yuasa Battery France S.A. Contact: Christian RAYNAUD (Technical Manager) Tel: (+33) 0474-95-90-95 e-mail: christian.raynaud@gs-yuasa.fr Language: French & English <u>Germany:</u> GS Yuasa Battery Germany GmbH Contact: Joachim HEER (UPS / Project Manager) Tel: (+49) 0211-41790-15 e-mail: Joachim.Heer@gs-yuasa.de Language: German & English <u>Iberia:</u> GS Yuasa Battery Iberia S.A. Contact: Antonio PULIDO MARTINEZ (Director Commercial Industrial) Tel: (+34) 091-748-89-19 e-mail: antonio.pulido@gs-yuasa.es Language: Spanish & English <u>Italy:</u> GS Yuasa Battery Italy Srl. Contact: Marco FILIPPI (Technical Manager) Tel: (+39) 02-3800-91-08 e-mail: marco.filippi@gs-yuasa.it Language: Italian & English <u>UK:</u> GS Yuasa Battery Sales UK Ltd. Contact: Matt JORDAN (General Manager) Tel: (+44) 01793-833-562 e-mail: Matt.Jordan@gs-yuasa.uk Language: English language only
1.4	Emergency telephone number:	Contact: GS Yuasa Battery Manufacturing UK Ltd. Mike TAYLOR (Product Manager) Tel: (+44) 07733 302 242 Opening Hours: Only available during office hours, 8am to 4pm (08:00 to 16:00) Language: English language only Available: Office hours only: 8am to 4:30pm (08:00 to 16:30)



GS Yuasa Battery Europe Ltd.
SAFETY DATA SHEET
 In accordance with REACH Regulation EC No. 453/2010

Document:	SDS 01
Issue No:	16
Issue Date:	11/03/2019
Page:	2 of 11

SECTION 2: HAZARDS IDENTIFICATION – In the event of the internal battery components being exposed

2.1	Classification of the substance or mixture	
According to Regulation (EC) No. 1272/2008 (CLP)	H314	Skin Corr.1A
	H360Fd	Repr.1A
	H372	STOT RE1
	H400	Aquatic Acute 1
	H410	Aquatic Chronic 1
Full text of H phrases – see section 16		

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label Elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Hazard Pictograms (CLP)



GHS05



GHS08



GHS09

Signal Word (CLP) - DANGER

Hazard Statements (CLP)	H314	Causes severe skin burns and eye damage
	H360Fd	May damage fertility. Suspected of damaging the unborn child
	H372	Causes damage to organs through prolonged or repeated exposure
	H400	Very toxic to aquatic life
	H410	Very toxic to aquatic life with long lasting effects

Precautionary Statements (CLP)	P201	Obtain special instructions before use
	P202	Do not handle until all safety precautions have been read and understood
	P260	Do not breathe dust/fume/gas/mists/vapours/spray
	P264	Wash Thoroughly after handling
	P270	Do not eat, drink or smoke when using this product
	P273	Avoid release to the environment

2.3 Other Hazards

VRLA Battery	Mechanical	VRLA Batteries can be heavy. Correct manual handling techniques and/or mechanical lifting aides (e.g. Fork Lift Truck) must be used.
	Electrical	VRLA Batteries can contain large amounts of electrical energy which can give very high discharge currents and severe electrical shock if the terminals are short circuited.
	Chemical	- The VRLA Battery presents no chemical hazards during the normal operation provided the recommendations for handling, storage, transport and usage are observed. - VRLA Batteries emit hydrogen gas which is highly flammable and will form explosive mixtures in air from approx. 4% to 76%. This can be ignited by a spark at any voltage, naked flames or other sources of ignition. - If the battery is broken and the internal components exposed, hazards may exist which require careful attention.



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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1	Substances present in the product					
	Components	Classification according to Regulation (EC) No. 1272/2008 (ELP) ¹	Substances	Approximate % (w/w)	Chemical Symbol	CAS No.
	Plate Grid		Metallic Lead Calcium Tin	30 to 40 < 0.1 < 2	Pb Ca Sn	7439-92-1 7440-70-2 7440-31-5
	Active Materials	H360 H372 H400 H410	Lead Monoxide Lead Dioxide (Lead IV Oxide) Barium compound	< 0.1 35 to 45 < 1.5	PbO PbO ₂ Ba	1317-36-8 1309-60-0 7440-39-3
	Battery Electrolyte	H314	Dilute Sulphuric Acid	10 to 20	H ₂ SO ₄	7664-93-9
	Case Material		Standard Grade, UL94:HB • ABS (Acrylonitrile-Butadiene-Styrene Copolymer) Flame Retardant (FR) Grade, UL94:V0 • ABS (Acrylonitrile-Butadiene-Styrene Copolymer) • Tetrabromobisphenol-A • Antimony trioxide	5 to 10 5 to 10 < 0.1 < 0.01		9003-56-9 9003-56-9 79-94-7 1309-64-4
	Separator Material		Absorbent Glass Matt (AGM) Separator (100% Borosilicate Glass Microfibre)	2 to 5		65997-17-3
Inorganic lead and battery electrolyte (Dilute Sulphuric Acid) are the main components of VRLA batteries. Other substances may be present but in small amounts dependant on battery type. Contact GS Yuasa Battery Manufacturing UK Ltd for further information.						

SECTION 4: FIRST AID MEASURES FOR ACUTE EXPOSURE

This information is of relevance only if the VRLA Battery has suffered damage, is broken and persons have direct contact with the internal components.

4.1	Description of first aid measures		
	Components		Action
	Plate Grids and Active materials	Inhalation:	Remove the person from exposure to fresh air. Seek advice from a medical doctor
		Ingestion	Wash out mouth with water and give plenty of water to drink. Do not induce vomiting. Seek advice from a medical doctor
		Skin Contact:	Wash off with plenty of water and soap to prevent accidental ingestion or inhalation Seek medical advice if pain or rash does not reduce
		Eye Contact:	Immediately irrigate with eyewash solution or clean water for at least 10 minutes, holding the eyelids apart. Then take the person to hospital without further delay
		Self-protection for the first aider	Eye protection (safety glasses or face shield), and heavy-duty gloves are required. In case of inhalation, a face mask or respirator may be required.
	Battery Electrolyte		<u>SPEED IS ESSENTIAL - OBTAIN IMMEDIATE MEDICAL ATTENTION.</u>
		Inhalation:	Remove the person from exposure to fresh air. If the person continues to feel unwell seek advice from a medical doctor.
		Ingestion	Wash out mouth with water and give plenty of water to drink. Do not induce vomiting. If the person continues to feel unwell seek advice from a medical doctor.
		Skin Contact:	Drench with large quantities of water. Remove contaminated clothing and place in water to dilute the acid Continue to wash the affected area for at least 10 minutes. Seek advice from a medical doctor
		Eye Contact:	<u>SPEED IS ESSENTIAL - OBTAIN IMMEDIATE MEDICAL ATTENTION</u> Immediately irrigate with eyewash solution or clean water for at least 10 minutes, holding the eyelids apart. Then take the person to hospital without further delay
		Self-protection for the first aider	Eye protection (safety glasses or face shield), and heavy-duty gloves are required. In case of inhalation, a face mask or respirator may be required.
	Case Material	Inhalation:	Material can burn in a fire with toxic smoke and decomposition products. Upon inhalation of decomposition products, keep patient calm, remove to fresh air, and seek advice from a medical doctor. If a large quantity is inhaled take the person to hospital. Note to physician: Treat according to symptoms (decontamination, vital functions), no known specific antidote.



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	Separator Material	Ingestion	Wash out mouth with water and give plenty of water to drink. Do not induce vomiting. If the person continues to feel unwell seek advice from a medical doctor.
		Skin Contact:	Areas affected by molten material should be quickly placed under cold running water and a sterile protective dressing applied. Seek advice from a medical doctor.
		Eye Contact:	May cause irritation or injury due to mechanical action and traces of Battery Electrolyte. Immediately irrigate with eyewash solution or clean water for at least 10 minutes, holding the eyelids apart. Then take the person to hospital without further delay
		Self-protection for the first aider	Eye protection (safety glasses or face shield), and disposable gloves are required. In case of inhalation, a face mask or respirator may be required.
		Inhalation:	Remove patient from exposure to fresh air. If irritation persists, seek advice from a medical doctor
		Ingestion	Wash out mouth with water and give plenty of water to drink. Do not induce vomiting. If the person continues to feel unwell seek advice from a medical doctor.
		Skin Contact:	After contact with skin, wash immediately with plenty of soap and water. If irritation persists, seek advice from a medical doctor
		Eye Contact:	May cause irritation or injury due to mechanical action and traces of Battery Electrolyte. Immediately irrigate with eyewash solution or clean water for at least 10 minutes, holding the eyelids apart. Then take the person to hospital without further delay
		Self-protection for the first aider	Eye protection (safety glasses or face shield), and disposable gloves are required. In case of inhalation, a face mask or respirator may be required.

SECTION 5: FIRE-FIGHTING AND EXPLOSION HAZARD MEASURES

5	VRLA Battery	General Information: Explosion Hazard 	- VRLA Batteries emit hydrogen gas which is highly flammable and will form explosive mixtures in air from approx. 4% to 76%. This can be ignited by a spark at any voltage, naked flames or other sources of ignition. - Batteries in use will be part of an electrical circuit and must be isolated from the power source before attempting to put out a fire. Switch the power OFF before disconnecting the batteries from the power source. - Damaged batteries may expose negative plates, grey in colour, which may ignite if allowed to dry out. These plates may be wetted down with water after the battery has been removed from all electrical circuits.
5.1		Suitable Extinguisher types:	CO ₂ ; Foam; Dry Powder.
		Unsuitable Extinguisher types	Water extinguishers must never be used to put out an electrical fire.
5.2		Hazardous combustion & decomposition products:	Carbon monoxide, Sulphur Dioxide, Sulphur Trioxide, Lead fume and vapour, toxic fumes from decomposition of battery case materials.
5.3		Advice for fire-fighters	Full face visor or safety goggles; Respiratory equipment or self-contained breathing apparatus (SCBA); Full acid resistant protective clothing must be worn in fire-fighting conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

This information is of relevance only if the VRLA Battery has suffered damage and is broken.

6	Components		
	VRLA Battery		VRLA batteries are designed to be safe to handle and not to leak battery electrolyte under normal conditions. In case of accidental damage heavy-duty gloves are required to pick-up the battery to protect against unseen electrolyte leakage
	Plate Grids and Active Materials	Personal Precautions:	Eye protection (safety glasses or face shield), and heavy-duty gloves are required. If the material is wet, a face mask or respirator is not required If the material is dry, a face mask or respirator is required
		Clean-up Methods:	Large, solid pieces may be picked up and bagged for recycling. Never use a brush to sweep up debris; it may create Lead-dust in the air. Wet clean the spill area to remove all traces of debris. Battery debris and cleaning materials must be collected and placed in an inert sealed container (e.g. self-seal plastic bag or bucket) for disposal, see Section 13.
		Environmental Precautions:	Do not allow material to enter a watercourse. Exposed Lead materials must be placed in an inert sealed container (e.g. self-seal plastic bag or bucket) for disposal, see Section 13.
	Battery Electrolyte:	Personal Precautions:	Ensure suitable, acid resistant personal protective clothing (including heavy-duty gloves, safety glasses and respiratory protection) is worn during removal and clean-up of spillages.



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		Clean-up Methods:	
		Small spillages:	Neutralise and absorb the spillage using soda ash, sodium bicarbonate (available from supermarkets), sodium carbonate or calcium carbonate powder. Wet clean the spill area to remove all traces of debris. Battery debris and cleaning materials must be collected and placed in an inert sealed container (e.g. self-seal plastic bag or bucket) for disposal, see Section 13.
		Large spillages:	Large amounts of electrolyte spillage are unlikely with VRLA batteries since the electrolyte is fully absorbed in the active materials and separator. Bund the spillage area using dry sand, earth, sawdust or other inert material. Neutralise the electrolyte using soda ash, sodium bicarbonate (available from supermarkets), sodium carbonate or calcium carbonate powder. Wet clean the spill area to remove all traces of debris and electrolyte. Cleaning materials must be collected and placed in an inert sealed container (e.g. self-seal plastic bag or bucket) for disposal, see Section 13.
		Environmental Precautions:	Battery electrolyte must not be allowed to enter any drains or sewage system or water course.
	Case Material:	Clean-up Methods:	Assume battery case material is contaminated and proceed as for Plate Grids and Active Materials above.
	Separator Material:	Clean-up Methods:	Assume battery case material is contaminated and proceed as for Plate Grids and Active Materials above.

Note: If appropriate refer to 8 and 13

SECTION 7: HANDLING AND STORAGE

7.1	Component:	Precautions For Safe Handling:	
	VRLA Battery		Only trained operators should be allowed to handle VRLA batteries. PPE: No specialist protective clothing or equipment is required, except that for handling heavy weights. Hygiene: There are no specialist requirements beyond good, standard workplace practices. Mechanical lifting aides: (e.g. FLT and pallet trucks) will be required to move pallets of batteries. Weight approximately 1 tonne Mechanical handling aides: (e.g. trucks and lifters) will be required to handle individual batteries over 25 kg in weight. General Safety Considerations: Do not drop batteries: dents and deformation of the case may be an indication of internal damage to the battery. Cracks will allow electrolyte to escape. Do not place VRLA Batteries lid-to-lid so that terminals will short-circuit.
7.2		Conditions For Safe Storage, Including Any Incompatibilities:	Store VRLA Batteries in a cool, well-ventilated area with a solid, impervious surface, and adequate containment in the event of accidental acid spillage. Store under a roof and protect against direct sunlight and adverse weather conditions including rain, snow and other sources of water. Storage of large quantities of VRLA batteries may require approval from local environmental protection agency and/or local water authorities. Pallets of VRLA Batteries are heavy. Store at ground level or in lower levels of storage systems (e.g. racking). Take special care in dry conditions to avoid the risk of electrostatic discharges. Protect against physical damage and exposure to organic solvents and other incompatible materials. Do not store VRLA batteries close to sources of heat, naked flames and sparks. Store batteries in their original packaging wherever possible. When batteries are removed from their original packaging (e.g. for transportation of small quantities), ensure new packaging protects the batteries from damage and the risk of short-circuit of the terminals.
		End-of-Life (EC WEEE Regulations)	Ensure batteries are removed from equipment at the end of life and are collected for recycling by an approved contractor.
7.3		Specific End Uses: Installation:	- Refer to EN 50272-1:2010, Safety requirements for secondary batteries and battery installations – Part 1 General safety information. - Refer to EN 50272-2:2001, Safety requirements for secondary batteries and battery installations – Part 2 Stationary batteries.



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SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Components		
8.1	VRLA Battery	Control Parameters:
8.2		Exposure Control:
8.3		Personal Protection:
		There are no special control parameters for the handling, storage, installation of VRLA Batteries. VRLA Batteries emit hydrogen gas which is highly flammable and will form explosive mixtures in air from approximately 4% to 76%. Never install VRLA Batteries in a gas-tight enclosure during storage, transport or usage. There are no special exposure controls for the handling, storage, installation or use of VRLA Batteries. When there is no evidence of damage or visible traces of liquid (electrolyte) or solid deposits on the batteries they may be handled safely without extra personal protective equipment. Ensure electrical insulation equipment is used when installing batteries. (e.g. insulated mats and covers; insulated tools) Remove ALL metallic objects from the person when working with VRLA Batteries: e.g. Jewellery (rings, watches, bracelets, necklaces), pens, torches, etc. Where there are signs of damage or liquid (electrolyte) or solid deposits, rubber gloves and acid resistant clothing must be worn when handling the batteries and affected packaging to protect against the effects of any electrolyte that may be present. If it is suspected that free electrolyte is present, then safety glasses must be worn, and if large amounts are present, chemical goggles or face shield should be used. UL CAUTIONARY STATEMENT: "Warning: Risk of fire, explosion, or burns. Do not disassemble; heat above 50°C; or incinerate".

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Components		
9.1	VRLA Battery	- The main components are listed in SECTION 2 above. - The undamaged product is a manufactured article in an inert plastic (ABS) case, which will burn if subjected to high temperatures or sources of ignition. Some battery types are made with Flame Retardant ABS cases, see technical specification. These batteries carry the suffix 'FR' after the battery type; e.g. NP24-12IFR
The information below refers to the physical and chemical properties of the main VRLA Battery components and substances. This information is published for reference only.		
Plate Grids and Active materials:	Appearance	Safety-related data
		<i>Form</i> Solid <i>Colour</i> Grey or brown <i>Odour</i> Odourless <i>Solidification point</i> 327 °C <i>Boiling point</i> 1740 °C <i>Solubility in water</i> Very low (0.15mg/l) <i>Solubility in acid or alkaline solutions</i> Yes, dependant on the strength of solution. <i>Density (at 20°C)</i> 11.35 g/cm³ <i>Vapour pressure (at 20°C)</i> *Undetectable
	Battery Electrolyte:	
		<i>Form</i> Liquid <i>Colour</i> Colourless <i>Odour</i> Odourless <i>Solidification point</i> -35 to -60 °C <i>Boiling point</i> Approx. 108 to 114 °C <i>Solubility in water</i> Complete <i>Density (at 20°C)</i> Variable up to 1.350 g/cm³ <i>Vapour pressure (at 20°C)</i> *10-20 mmHg
	Case Material:	
		<i>Appearance</i> <i>Form</i> Solid <i>Colour</i> Grey or black <i>Odour</i> Slight Odour <i>Safety-related data</i> <i>Softening point</i> > 100 °C (DIN 53460) <i>Flash Point</i> >330 °C <i>Solubility in water</i> Insoluble <i>Solubility in other solvents</i> Soluble in polar solvents, aromatic solvents, chlorinated hydrocarbons. <i>Density (at 20°C)</i> 1.07-1.4 g/cm³ (DIN 53479) <i>Vapour pressure (at 20°C)</i> *Undetectable
	Separator Material:	
		<i>Form</i> Fibrous material <i>Colour</i> White <i>Odour</i> Odourless <i>Solidification point</i> *820°C <i>Boiling point</i> *>2500°C <i>Solubility in water</i> Insoluble <i>Density (at 20°C)</i> *2.23g/cm³ <i>Vapour pressure (at 20°C)</i> *Undetectable



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SECTION 10: STABILITY AND REACTIVITY

	Components		
10.1	VRLA Battery	Stability:	Within the operational temperature range -20 to +50 °C the undamaged product is stable.
10.4	Plate Grids and Active materials:	Materials & Conditions to Avoid:	Powdered Lead reacts violently with fused ammonium nitrate and sodium acetylide. Reacts violently when in contact with chlorine trifluoride.
10.3	Battery Electrolyte:	Possibility of Hazardous Reactions	- Dilution of the higher concentrated grades with water may liberate excessive heat. - Highly reactive with metals and organic materials. - On contact with metals, may generate hydrogen which forms explosive mixtures with air. - Destroys organic materials such as cardboard, wood, textiles, etc. - Vigorous reaction with sodium hydroxide and alkalis.
10.6		Hazardous Decomposition Product(s):	Sulphur oxides
10.1	Case Material:	Materials & Conditions to Avoid:	- To avoid thermal decomposition, do not overheat. - Starts to decompose at temperatures >275°C. - Powerful oxidising agents.
10.6		Hazardous decomposition products:	Monomers, other degradation products, traces of hydrogen cyanide.
10.1	Separator Material:	Stability:	Stable material.
10.4		Materials & Conditions to Avoid:	Incompatible with Hydrofluoric acid and concentrated Sodium Hydroxide.
10.6		Hazardous decomposition products:	No hazardous polymerisation expected.

SECTION 11: TOXICOLOGICAL INFORMATION

This information is of relevance only if the VRLA Battery has suffered damage and is broken.

	Components		
11	VRLA Battery		- This information does not apply to the undamaged VRLA Battery. It is of relevance if the battery is broken and the components are released to the environment. - Exposure limits may vary according to national law and regulations.
11.1	Plate Grids: Metallic Lead, Lead alloys.	Acute Toxicity 	- Toxic by ingestion or inhalation - Chronic poison - Lead is a poison that affects virtually every system in the body - Symptoms include fatigue, headaches, constipation, aching bones and muscles, gastrointestinal tract disturbances and reduced appetite - Blood Lead levels of 80 µg/dl and above have been associated with both acute and chronic effects of Lead poisoning
	Active materials: Lead dioxide.	Acute Toxicity 	- Toxic by ingestion or inhalation - Chronic poison - Chronic exposure to Lead compounds may lead to a build-up of Lead in the body, giving rise to a variety of health problems, including anaemia, kidney and liver damage, impaired eyesight, memory loss and CNS² damage
	Battery Electrolyte:	Corrosive 	Corrosive, the more concentrated solutions can cause serious burns to the mouth, eyes and skin Harmful by ingestion and through skin contact
		Inhalation: 	Mist is a severe irritant to the respiratory tract. Fluid build-up on the lung (pulmonary oedema) may occur up to 48 hours after exposure and could prove fatal
		Ingestion:	Will immediately cause severe corrosion of and damage to the gastrointestinal tract

² CNS = Central Nervous System



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11.1	Battery Electrolyte:	Skin Contact: Eye Contact: 	Causes severe chemical burns Risk of serious damage to eyes. Causes severe burns. May cause prolonged or permanent damage or even total loss of sight. Mist will cause irritation
	Case Material:		According to information available the product is not harmful to health provided it is correctly handled and processed according to the given recommendations.
	Separator Material:		Based on animal implantation and epidemiologic studies glass microfibers are thought to have some limited carcinogenic potential and as such are designated as Group 2B materials (IARC, US). The material should be treated as a category 3 carcinogen (Europe). Limited evidence of carcinogenic effect.

SECTION 12: ECOLOGICAL INFORMATION

This information is of relevance only if the VRLA Battery has suffered damage and is broken.

	Components		
12.1	VRLA Battery		This information does not apply to the undamaged VRLA Battery. It is of relevance if the battery is broken and the components are released to the environment.
12.2	Plate Grids and Active materials:	Metallic Lead, Lead alloys and Lead dioxide. 	Chemical and physical treatment is required for the elimination of Lead from water. Waste water containing Lead must not be disposed of in an untreated condition.
		Ecotoxicity: 	Lead metal in massive form is not classified as hazardous to the aquatic environment, due to its low solubility and rapid removal from the water column. Inorganic lead compounds are considered to be acutely toxic in the environment and also to present a long-term hazard to aquatic organisms.
		H Phrase H400 &410 Effect in the aquatic environment: 	- Toxicity for fish: 96 h LC 50 > 100 mg/l - Toxicity for daphnia: 48 h EC 50 > 100 mg/l - Toxicity for alga: 72 h IC 50 > 10 mg/l
12.3	Battery Electrolyte:	Ecotoxicity: 	- In order to avoid damage to the sewerage system, the acid has to be neutralised by means of soda ash, sodium bicarbonate or sodium carbonate before disposal. - Ecological damage is possible by change of pH. The electrolyte solution reacts with water and organic substances, causing damage to flora and fauna. - The electrolyte may also contain components of Lead that can be toxic to aquatic environments.
		Persistence and Degradation:	Remains indefinitely in the environment as sulphate.
12.4	Case Material:	Elimination information: Behaviour and environmental fate:	No data available: insoluble in water Due to the consistency of the product, and its insolubility in water, it will apparently not be bio-available.
12.5	Separator Material:		No data available: insoluble in water Not thought to pose any risk to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

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	Components		
13.1	VRLA Battery	Europe:	- Spent (used) VRLA Batteries are subject to the requirements of the Batteries Directive 2006/66/EC on batteries and accumulators and waste batteries and accumulators. Spent (used) VRLA Batteries MUST be sent for recycling through an authorised contractor at the end-of-life. - The WEEE Directive 2002/96/EC (Waste Electrical and Electronic Equipment) applies. Spent (used) VRLA Batteries MUST be removed from electrical and electronic equipment at the end-of-life.
		Worldwide:	- VRLA batteries contain inorganic Lead compounds and Sulphuric Acid which are damaging to the environment. - Spent (used) batteries must be disposed of in an environmentally friendly manner in accordance with local national laws and regulations.
			- VRLA batteries must not be dismantled, burnt or incinerated as a means of disposal. - At the end of life VRLA batteries may still be electrically 'live' and contain a large amount of electrical energy. The same care and attention to safe handling should be taken as when handling new batteries. Particular care must be taken to avoid short-circuiting the battery terminals.
13.2	Plate Grids and Active materials:	Europe Worldwide	- Metallic Lead and active materials (Lead Oxides) must be recycled. - Disposal must be carried out in accordance with the European Hazardous Waste Directive 2008/98/EC
13.3	Battery Electrolyte:	Europe	Disposal must be carried out in accordance with the European Hazardous Waste Directive 2008/98/EC on the protection of the environment through criminal law
		Worldwide	Disposal should be in accordance with local, state or national legislation.
		General	Battery electrolyte is dilute Sulphuric Acid, the strength of which depends on the state of charge of the batteries. It must be neutralised before disposal. See SECTION 6 for clean-up and disposal advice.
13.3	Case Material:		- Do not dispose of this product into sewers, any ocean or water course in order to prevent marine animals and birds from ingesting. - Recycling is encouraged. - Disposal by controlled incineration or source landfill in accordance with local national laws and regulations may be acceptable.
13.4	Separator Material:		- Constitutes a special waste by virtue of hazardous substance content. - Dispose of via approved landfill site. Disposal by controlled source landfill in accordance with local national laws and regulations may be acceptable.

SECTION 14: TRANSPORT INFORMATION

	Components		
14.1	VRLA Battery	Land Transport	<u>Land Transport (ADR / RID)</u> - UN N°: UN2800 - Classification ADR / RID: Class 8 - Proper Shipping Name: BATTERIES, WET, NON-SPILLABLE electric storage - Packing Group ADR: not assigned - Tunnel code: E - ADR / RID: New and spent (used) batteries are exempt from all ADR / RID (special provision 598)
		Sea Transport	<u>Sea transport (IMDG Code)</u> - UN N°: UN2800 - Classification: Class 8 - Proper Shipping Name: BATTERIES, WET, NON-SPILLABLE electric storage - EmS: F-A, S-B Non-Spillable batteries meet the requirements of Special Provision 238 *parts 1 & 2; they are exempt from all IMDG codes and are not subject to special regulation for sea transport
		Air Transport	<u>Air Transport (IATA-DGR)</u> - UN N°: 2800 - Classification: Class 8 - Proper Shipping Name: BATTERIES, WET, NON-SPILLABLE electric storage <u>Special Provision A48</u>: Packaging test are not considered necessary <u>Special Provision A67</u>: Yuasa's VRLA batteries meet the requirements of Packing Instruction 872. The battery has been prepared for transport so as to prevent:

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			a) A short-circuit of the battery's terminals by packaging in a strong and sturdy carton box; AND/OR b) The battery has been fitted with an insulating cover (made from ABS) which prevents contact with the terminals. c) Unintentional activation is thus prevented The words "NOT RESTRICTED" and the Special Provision (SP) number must be indicated on all shipping documents • Special Provision: A164: The battery has been prepared for transport so as to prevent: a) Short-circuit of the battery's terminals by packaging in a strong and sturdy carton box; AND/OR b) The battery has been fitted with a cover (made from ABS) which prevents contact with the terminals c) Unintentional activation is thus prevented
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SECTION 15: REGULATORY INFORMATION

Components		
15.1	VRLA Battery	Required Markings:
		 Crossed-out wheeled bin indicating "SEPARATE COLLECTION" for all batteries and accumulators. Not to be disposed of with general domestic, commercial or industrial waste. Ref: The Batteries Directive 2006/66/EC
		 The Pb symbol indicates the heavy metal content of the battery and enables the Lead-Acid battery to be sorted for recycling. Ref: The Batteries Directive 2006/66/EC.
		 The International Recycling Symbol, required by law in many countries world-wide to facilitate the identification of secondary batteries and accumulators for recycling. Ref: IEC 61429 : 1995, Marking of secondary cells and batteries with the International Recycling Symbol ISO 7000-1135.
		EC Directives <u>Directive 2006/66/EC</u> , on batteries and accumulators and waste batteries and accumulators Paragraph (Recital) 29 states: "Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment does not apply to batteries and accumulators used in electrical and electronic equipment."

SECTION 16: OTHER INFORMATION

Components			
16 (a)	Revision Information	*Issue16 : 11/03/2019 Amended statement in section 14.1 Sea Transport to state "Special Provision 238 *parts 1 & 2"	
16 (b)	Abbreviations	Pb – the chemical symbol for Lead Ba – the chemical symbol for Barium Ca – the chemical symbol for Calcium Sn – the chemical symbol for Tin PbO₂ – the chemical formulae for Lead Dioxide H₂SO₄ – the chemical formulae for Sulphuric Acid VRLA – Valve Regulated Lead-Acid battery	
16 (c)	Key literature references and sources of data	SDS documents from suppliers for components and raw materials	
16 (d)	Full text of H phrases:	Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
		Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
		Repr. 1A	Reproductive toxicity, Category 1A
		Skin Corr. 1A	Skin corrosion/irritation Category 1A
		STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
		H314	Causes severe skin burns and eye damage
		H360	May damage fertility or the unborn child

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GS Yuasa Battery Europe Ltd.
SAFETY DATA SHEET
 In accordance with REACH Regulation EC No. 453/2010

Document:	SDS 01
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		H360Fd	May damage fertility. Suspected of damaging the unborn child
		H372	Causes damage to organs through prolonged or repeated exposure
		H400	Very toxic to aquatic life
		H410	Very toxic to aquatic life with long lasting effects
16 (e)	Training Advice	- Only trained, competent personnel, who have received special instructions for the hazards and risks, should be allowed to handle VRLA Batteries. - See Section 7.1 for general advice	
16 (f)	Further Information	To ensure the safe use of VRLA Industrial Batteries supplied by YUASA, the following precautions must be observed: - Warning: Risk of fire, explosion, or burns. Do not disassemble, heat above 50°C, or incinerate. - Never short-circuit battery terminals, since sparks and arcs produced can injure personnel and are a fire and explosion hazard. - Batteries must always be charged on a voltage-regulated charging system with adequate ventilation provided to avoid the build-up of ignitable gases and to promote good heat dissipation. - Do not charge VRLA Batteries above + 50 °C, discharge or store above + 60 °C. - Under extreme conditions of charging equipment malfunction and/or battery failure, high voltage and high temperature conditions may occur causing the evolution of Hydrogen Sulphide (H₂S) gas, which is toxic. If detected by its odour of rotten eggs (at extremely low concentrations), switch off the charging equipment, evacuate all personnel from the area and ventilate well. Seek advice before attempting to re-start charging NEVER PLACE VRLA BATTERIES INSIDE SEALED OR GAS-TIGHT ENCLOSURES DURING OPERATION, TRANSPORT AND STORAGE VRLA Batteries emit hydrogen gas which is highly flammable and will form explosive mixtures in air from approximately 4% to 76%. This can be ignited by a spark at any voltage, naked flames or other sources of ignition	

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

Product Environmental Profile

APC Replacement Battery Cartridges





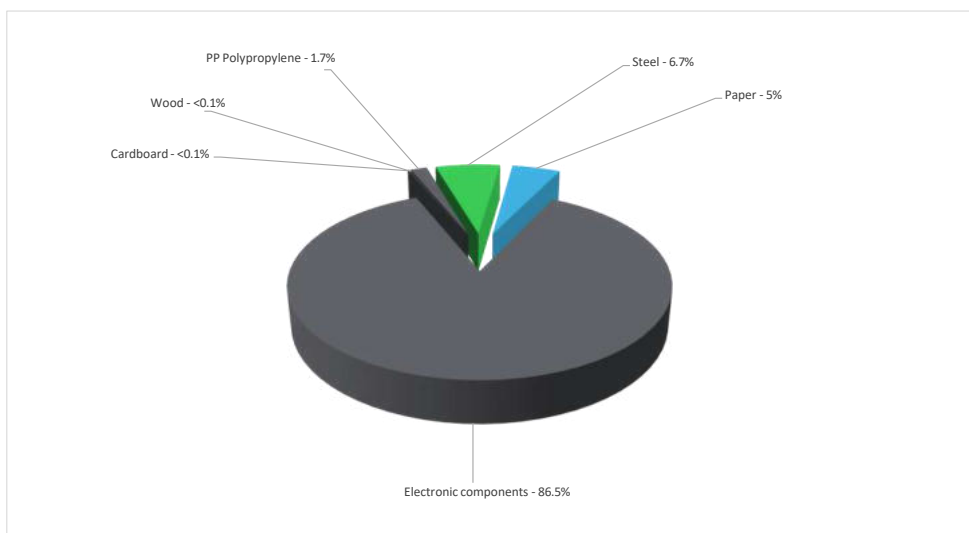
General information

Reference product	APC Replacement Battery Cartridges - APCRBC110
Description of the product	APC Replacement Battery Cartridge, VRLA battery, 7Ah, 12VDC, 2-year warranty
Description of the range	The environmental impacts of this reference product are representative of the impacts of the other products of the range which are developed with a similar technology. All products are batteries utilizing the same chemistry selected to conform to the same specifications. The products of the range are: APC Replacement Battery Cartridges (APCRBCXXX, RBCXXX, where XXX is a number) without metal housing
Functional unit	To provide 7.0 amp hour of back-up power to 1-Phase and other compatible UPS models for 5 years
Specifications are:	Battery Voltage 12V DC, Battery Capacity 7.0-7.2 Ah, VRLA battery



Constituent materials

Reference product mass	2451 g including the product, its packaging, additional elements and accessories
------------------------	--



Plastics	1.7%
Metals	6.7%
Others	91.6%



Substance assessment

Details of ROHS and REACH substances information are available on the Schneider-Electric website
<https://www.se.com>



Additional environmental information

End Of Life	Recyclability potential:	1%	The recyclability rate was calculated from the recycling rates of each material making up the product based on REEECYLAB tool developed by Ecosystem, for components/materials not covered by the tool, data from the EIME database and the related PSR was taken. If no data was found a conservative assumption was used (0% recyclability).
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Environmental impacts

Reference service life time	5 years		
Product category	Replacement battery packs in APC-branded Uninterruptible Power Supplies (UPSs)		
Life cycle of the product	The manufacturing, the distribution, the installation, the use and the end of life were taken into consideration in this study		
Electricity consumption	The electricity consumed during manufacturing processes is considered for each part of the product individually, the final assembly generates a negligible consumption		
Installation elements	No special installation components need during installation phase, but transport of packaging to disposal and disposal of packaging accounted for during installation.		
Use scenario	The product is in active mode for 100% of the time with a power use of 10.92 W for 5 years		
Time representativeness	The collected data are representative of the year 2025		
Technological representativeness	The Modules of Technologies such as material production, manufacturing processes and transport technology used in the PEP analysis (LCA EIME in the case) are similar and representative of the actual type of technologies used to make the product.		
Geographical representativeness	Final assembly site	Use phase	
	Philippines	Global	
Energy model used	[A1 - A3]	[A5]	[B6]
	Electricity Mix; Low voltage; 2020; Asia Pacific, APAC	No energy used	Electricity Mix; Low voltage; 2020; United States, US Electricity Mix; Low voltage; 2020; Germany, DE Electricity Mix; Low voltage; 2020; Canada, CA Electricity Mix; Low voltage; 2020; Italy, IT United Kingdom, GB
		[C1 - C4]	
		Global, European and French datasets are used.	

Detailed results of the optional indicators mentioned in PCRd4 are available in the LCA report and on demand in a digital format - Country Customer Care Center - <http://www.se.com/contact>

Mandatory Indicators		APC Replacement Battery Cartridges - APCRBC110						
Impact indicators	Unit	Total (without Module D)	[A1 - A3] - Manufacturing	[A4] - Distribution	[A5] - Installation	[B1 - B7] - Use	[C1 - C4] - End of life	[D] - Benefits and loads
Contribution to climate change	kg CO2 eq	1.59E+01	1.05E+01	3.91E-01	1.91E-01	4.53E+00	3.14E-01	-3.65E-04
Contribution to climate change-fossil	kg CO2 eq	2.01E+01	1.48E+01	3.91E-01	1.30E-01	4.48E+00	3.14E-01	-3.65E-04
Contribution to climate change-biogenic	kg CO2 eq	-4.22E+00	-4.33E+00	0*	0*	0*	0*	-8.09E-07
Contribution to climate change-land use and land use change	kg CO2 eq	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	2.98E-06	2.96E-06	6.00E-10	3.71E-09	1.90E-08	0*	-5.41E-11
Contribution to acidification	mol H+ eq	1.73E-01	1.46E-01	2.61E-03	1.23E-03	2.30E-02	1.79E-04	-2.16E-06
Contribution to eutrophication, freshwater	kg P eq	8.12E-05	7.09E-05	1.47E-07	3.40E-06	6.67E-06	6.74E-08	-5.55E-10
Contribution to eutrophication, marine	kg N eq	2.88E-02	2.41E-02	1.23E-03	5.82E-04	2.76E-03	7.05E-05	-2.11E-07
Contribution to eutrophication, terrestrial	mol N eq	3.23E-01	2.65E-01	1.35E-02	5.92E-03	3.72E-02	8.49E-04	-2.47E-06
Contribution to photochemical ozone formation - human health	kg COVNM eq	9.49E-02	8.08E-02	3.43E-03	1.42E-03	8.99E-03	1.97E-04	-8.60E-07
Contribution to resource use, minerals and metals	kg Sb eq	9.92E-03	9.92E-03	0*	0*	1.11E-06	0*	-1.18E-07
Contribution to resource use, fossils	MJ	4.12E+02	3.10E+02	5.46E+00	1.05E+00	9.44E+01	5.44E-01	-8.59E-03
Contribution to water use	m3 eq	8.81E+00	8.27E+00	1.49E-03	2.12E-01	2.97E-01	2.62E-02	-1.57E-04

ENVPEP1512012_V2 - Product Environmental Profile - APC Replacement Battery Cartridges

Inventory flows Indicators		APC Replacement Battery Cartridges - APCRBC110						
Inventory flows	Unit	Total (without Module D)	[A1 - A3] - Manufacturing	[A4] - Distribution	[A5] - Installation	[B1 - B7] - Use	[C1 - C4] - End of life	[D] - Benefits and loads
Contribution to renewable primary energy used as energy	MJ	2.08E+01	1.55E+00	7.28E-03	0*	1.92E+01	0*	-6.80E-05
Contribution to renewable primary energy used as raw material	MJ	4.48E+01	4.48E+01	0*	0*	0*	0*	0.00E+00
Contribution to total renewable primary energy	MJ	6.56E+01	4.64E+01	7.28E-03	0*	1.92E+01	0*	-6.80E-05
Contribution to non renewable primary energy used as energy	MJ	4.05E+02	3.04E+02	5.46E+00	1.05E+00	9.44E+01	5.44E-01	-8.59E-03
Contribution to non renewable primary energy used as raw material	MJ	6.45E+00	6.45E+00	0*	0*	0*	0*	0.00E+00
Contribution to total non renewable primary energy	MJ	4.12E+02	3.10E+02	5.46E+00	1.05E+00	9.44E+01	5.44E-01	-8.59E-03
Contribution to use of secondary material	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to use of renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to use of non renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to net use of fresh water	m³	2.05E-01	1.93E-01	3.46E-05	4.93E-03	6.92E-03	6.09E-04	-3.66E-06
Contribution to hazardous waste disposed	kg	2.36E+01	2.34E+01	0*	0*	1.08E-01	2.52E-03	-9.28E-03
Contribution to non hazardous waste disposed	kg	5.53E+00	2.34E+00	1.37E-02	2.36E+00	7.21E-01	9.60E-02	-3.03E-04
Contribution to radioactive waste disposed	kg	1.33E-03	1.17E-03	9.78E-06	1.93E-06	1.49E-04	3.59E-06	-1.36E-07
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	1.20E-02	1.10E-02	0*	0*	0*	9.60E-04	0.00E+00
Contribution to materials for energy recovery	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to exported energy	MJ	1.62E-04	1.52E-04	0*	0*	0*	9.50E-06	0.00E+00

* represents less than 0.01% of the total life cycle of the reference flow

Contribution to biogenic carbon content of the product	kg of C	0.00E+00
Contribution to biogenic carbon content of the associated packaging	kg of C	4.84E-02

* The calculation of the biogenic carbon is based on the Ademe for the Cardboard (28%), EN16485 for Wood (39,52%), and APESA/RECORD for Paper (37,8%)

Mandatory Indicators		APC Replacement Battery Cartridges - APCRBC110							
Impact Indicators	Unit	[B1 - B7] - Use	[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]
Contribution to climate change	kg CO2 eq	4.53E+00	0*	0*	0*	0*	0*	4.53E+00	0*
Contribution to climate change-fossil	kg CO2 eq	4.48E+00	0*	0*	0*	0*	0*	4.48E+00	0*
Contribution to climate change-biogenic	kg CO2 eq	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to climate change-land use and land use change	kg CO2 eq	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to ozone depletion	kg CFC-11 eq	1.90E-08	0*	0*	0*	0*	0*	1.90E-08	0*
Contribution to acidification	mol H+ eq	2.30E-02	0*	0*	0*	0*	0*	2.30E-02	0*
Contribution to eutrophication, freshwater	kg P eq	6.67E-06	0*	0*	0*	0*	0*	6.67E-06	0*
Contribution to eutrophication marine	kg N eq	2.76E-03	0*	0*	0*	0*	0*	2.76E-03	0*
Contribution to eutrophication, terrestrial	mol N eq	3.72E-02	0*	0*	0*	0*	0*	3.72E-02	0*
Contribution to photochemical ozone formation - human health	kg COVNM eq	8.99E-03	0*	0*	0*	0*	0*	8.99E-03	0*
Contribution to resource use, minerals and metals	kg Sb eq	1.11E-06	0*	0*	0*	0*	0*	1.11E-06	0*
Contribution to resource use, fossils	MJ	9.44E+01	0*	0*	0*	0*	0*	9.44E+01	0*
Contribution to water use	m3 eq	2.97E-01	0*	0*	0*	0*	0*	2.97E-01	0*

ENVPEP1512012_V2 - Product Environmental Profile - APC Replacement Battery Cartridges

Inventory flows Indicators		APC Replacement Battery Cartridges - APCRBC110							
Inventory flows	Unit	[B1 - B7] - Use	[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	1.92E+01	0*	0*	0*	0*	0*	1.92E+01	0*
Contribution to use of renewable primary energy resources used as raw material	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to total use of renewable primary energy resources	MJ	1.92E+01	0*	0*	0*	0*	0*	1.92E+01	0*
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	9.44E+01	0*	0*	0*	0*	0*	9.44E+01	0*
Contribution to use of non renewable primary energy resources used as raw material	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to total use of non-renewable primary energy resources	MJ	9.44E+01	0*	0*	0*	0*	0*	9.44E+01	0*
Contribution to use of secondary material	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to use of renewable secondary fuels	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to use of non renewable secondary fuels	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to net use of freshwater	m³	6.92E-03	0*	0*	0*	0*	0*	6.92E-03	0*
Contribution to hazardous waste disposed	kg	1.08E-01	0*	0*	0*	0*	0*	1.08E-01	0*
Contribution to non hazardous waste disposed	kg	7.21E-01	0*	0*	0*	0*	0*	7.21E-01	0*
Contribution to radioactive waste disposed	kg	1.49E-04	0*	0*	0*	0*	0*	1.49E-04	0*
Contribution to components for reuse	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to materials for recycling	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to materials for energy recovery	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to exported energy	MJ	0*	0*	0*	0*	0*	0*	0*	0*

* represents less than 0.01% of the total life cycle of the reference flow

Life cycle assessment performed with EIME version v6.2.5-6, database version 2024-01 in compliance with ISO14044, EF3.1 method is applied, for biogenic carbon storage, assessment methodology -1/1 is used

According to this environmental analysis, proportionality rules may be used to evaluate the impacts of other products of this range, ratios to apply can be provided upon request

Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.

Registration number :	ENVPEP1512012_V2	Drafting rules Supplemented by	PEP-PCR-ed4-2021 09 06 No PSR
Date of issue	04-2025	Information and reference documents	www.pep-ecopassport.org
		Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14021 : 2016			
Internal ☒ External ☐			
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)			
PEPs are compliant with XP C08-100-1:2016 and EN 50693:2019 or NF E38-500 :2022			
The components of the present PEP may not be compared with components from any other program.			
Document complies with ISO 14021:2016 "Environmental labels and declarations. Type II environmental declarations"			

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ENVPEP1512012_V2

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04-2025



B.B. TECH(CHANGSHA) CO., LTD.

MATERIAL SAFETY DATA SHEET

Valve Regulated Lead-Acid Rechargeable battery

Date: 01.Jan.2021

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product name: Valve Regulated Lead-Acid Rechargeable battery
Company: B.B. TECH(CHANGSHA) CO., LTD.
Address: No.57 Dongs Road, Changsha National Economic & Technical Development Zone, Changsha, Hunan PRC
E-mail: maggy@bb-battery.com
Tel: +86-731-82955888
Fax: +86-731-82955111

US Office: B&B Battery USA, Inc.
Address: 6415 Randolph Street, Commerce, CA 90040
Tel: 323-278-1900
Fax: 323-278-1268

SECTION 2: INFORMATION ON INGREDIENTS

Product name: Valve Regulated Lead-Acid Rechargeable battery

Ingredient	CAS No.	Concentration	Hazardous Label
Inorganic Lead/Lead Compounds	7439-92-1	~ 72%	T
Sulfuric Acid	7664-93-9	~ 20%	C
Fiberglass Separator	65997-17-3	~ 2%	/
Container Plastic (ABS or PP or PPE/PS)	9003-56-9 (ABS)	~ 5%	/
	9003-07-0 (PP)		/
	25134-01-4		/
	9003-55-8 (PPE/ PS)		/
	9003-53-6		/

Composition comments: All concentrations are in percent by weight unless ingredient is a gas.
 Gas concentrations are in percent by volume.

SECTION 3: HAZARDS IDENTIFICATION

Hazards Identification: The battery has passed the vibration test, pressure differential test and leakage test at 55°C according to Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulation SPECIAL PROVISION 238. It is not restricted to IATA Dangerous Goods Regulation (DGR) 62th according to special provision A67 and is not restricted to IMDG CODE according to special provision 238.

Emergency Overview: The internal battery materials may cause severe irritation to eyes and skin.
 Causes burns.

SECTION 4: FIRST-AID MEASURES

Skin Exposure: If the internal battery materials of an opened battery cell come into contact with the skin, immediately flush with plenty of water for at least 15 minutes. Seek immediate medical attention.

Eye Exposure: In case of contact the electrolyte contained inside the battery with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek immediate medical attention.

Inhalation Exposure: If potential for exposure to mist or dusts occurs, remove immediately to fresh air and seek medical attention.

Oral Exposure: If swallowed, do not induce vomiting. Seek immediate medical attention.

Most important symptoms/effects, acute and delayed: Under normal conditions of processing and use, exposure to the chemical constituents in this product is unlikely. The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful.

Indication of immediate medical attention and special treatment needed: Treat symptomatically.

General information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Suitable: Dry chemical, Sandy soil, Carbon dioxide or appropriate foam.

Unsuitable extinguishing media: In the event that a battery is ruptured and the internal components are exposed, DO NOT USE WATER. Do not use carbon dioxide directly on cells.

Specific hazards arising from the chemical: Batteries evolve flammable hydrogen gas during charging and may increase fire risk. Containers may explode when heated.

Firefighting:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific hazards: Emit toxic fumes under fire conditions.

General fire hazards: Like any sealed container, battery cells may rupture when exposed to excessive heat; this could result in the release of corrosive and flammable materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES

If batteries show signs of leaking, avoid skin or eyes contact with the material leaking from the battery. Use chemical resistant rubber gloves and non-flammable absorbent materials for clean up. Mix with inert material (e.g. dry sand, vermiculite) and transfer to sealed container for disposal.

SECTION 7: HANDLING AND STORAGE

Handling:

Keep away from ignition sources, heat and flame. Such batteries must be packed in inner packages in such a manner as to effectively prevent short circuits and to prevent movement which could lead to short circuits. Avoid mechanical or electrical abuse and overcharge. More than a momentary short circuit will generally reduce the battery service life. Avoid reversing battery polarity within the battery assembly.

In case of a battery unintentionally be crushed, acid resistant gloves must be used to handle all battery components. Avoid contact with eyes, skin. Avoid inhalation. No smoking at working site. Materials to Avoid: Strong oxidant, Combustible materials and Corrosives

Storage:

Store in a cool; well-ventilated area. Keep away from ignition sources, heat and flame. Such batteries must be packed in inner packages in such a manner as to effectively prevent short circuits and to prevent movement which could lead to short circuits. Materials to Avoid: Strong oxidant, Combustible materials and Corrosives.

SECTION 8: EXPOSURE CONTROL/PPE

Occupational exposure limits:

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053).

Components	Type	Value	
Lead and lead compounds (CAS 7439-92-1)	TWA	0.05 mg/m ³	
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)			
Components	Type	Value	
Sulphuric acid (CAS 7664-93-9)	PEL	1 mg/m ³	
US. ACGIH Threshold Limit Values			
Components	Type	Value	Form
Lead and lead compounds (CAS 7439-92-1)	TWA	0.05 mg/m ³	
Sulphuric acid (CAS 7664-93-9)	TWA	0.2 mg/m ³	Thoracic fraction.
US. NIOSH: Pocket Guide to Chemical Hazards			
Components	Type	Value	
Lead and lead compounds (CAS 7439-92-1)	TWA	0.05 mg/m ³	
Sulphuric acid (CAS 7664-93-9)	TWA	1 mg/m ³	

Biological limit values: No biological exposure limits noted for the ingredient(s).

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Lead and lead compounds (CAS 7439-92-1)	200 µg/l	Lead	Blood	*

* - For sampling details, please see the source document.

Engineering Controls: Use ventilation equipment if available. Safety shower and eye bath.

Personal Protective Equipment:

Respiratory: Wear government approved air-purifying respirator if needed.

Eye: Wear safety glasses with side shields (or goggles).

Clothing: Wear appropriate protective clothing.

Hand: Wear chemical resistant gloves

Thermal hazards: When material is heated, wear gloves to protect against thermal burns.

Other Protect: No smoking, drinking and eating at working site. Wash thoroughly after handling. Wear suitable protective clothing. Use of an impervious apron is recommended.

SECTION 9: PHYSICAL/CHEMICAL PROPERTIES

Appearance	
Physical state	Solid.
Form	Sulfuric acid, gelatinous. Lead, solid.
Color	Not available.
Odor	Odorless.
Odor threshold	Not available.
pH	< 1
Melting point/freezing point	Not available.
Initial boiling point and boiling range	235 - 240 °F (112.78 - 115.56 °C) (Sulfuric acid)
Flash point	Below room temperature (as hydrogen gas).
Evaporation rate	< 1 (n-BuAc=1)
Flammability (solid, gas):	
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	4 % (Hydrogen)
Flammability limit - upper (%)	74 % (Hydrogen)
Vapor pressure	10 mm Hg
Vapor density	> 1 (Air=1)
Relative density	1.27 - 1.33
Solubility(ies)	
Solubility (water)	100 % (Sulfuric acid)
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information:	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and pressures.

Incompatible materials: Strong bases. Combustible organic materials. Reducing agents. Finely divided metals. Strong oxidizers. Water.

Conditions to Avoid: Avoid exposure to heat and open flame, Avoid mechanical or electrical abuse and overcharge. Prevent short circuits. Prevent movement which could lead to short circuits.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Sulfur dioxide. Sulfur trioxide. Carbon monoxide. Sulfuric acid. Hydrogen

SECTION 11: Toxicological information

Information on likely routes of exposure:	
Inhalation	Exposure to contents of an open or damaged battery: Harmful if inhaled.
Skin contact	Exposure to contents of an open or damaged battery: Causes severe skin burns.
Eye contact	Exposure to contents of an open or damaged battery: Causes serious eye damage.
Ingestion	Exposure to contents of an open or damaged battery: Harmful if swallowed.

Symptoms Related to the physical, chemical and toxicological characteristics		Exposure to contents of an open or damaged battery: Dust may irritate the eyes and the respiratory system.
Information on toxicological effects:		
Acute toxicity Exposure to contents of an open or damaged battery: Harmful if inhaled or swallowed.		
Components	Species	Test Results
Sulphuric acid (CAS 7664-93-9):		
Acute		
Oral		
LD50	Rat	2140 mg/kg
Skin corrosion/irritation	Exposure to contents of an open or damaged battery: Causes severe skin burns	
Serious eye damage/eye irritation	Exposure to contents of an open or damaged battery: Causes serious eye damage.	
Respiratory or skin sensitization:		
Respiratory sensitization	No data available.	
Skin sensitization	No data available.	
Germ cell mutagenicity	No data available.	
Carcinogenicity	The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Lead and lead compounds (CAS 7439-92-1)	2B Possibly carcinogenic to humans.	
Sulphuric acid (CAS 7664-93-9)	1 Carcinogenic to humans.	
NTP Report on Carcinogens		
Lead and lead compounds (CAS 7439-92-1)	Reasonably Anticipated to be a Human Carcinogen.	
Sulphuric acid (CAS 7664-93-9)	Known To Be Human Carcinogen.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)		
Not regulated.		
Reproductive toxicity:	None under normal conditions. Exposure to contents of an open or damaged battery: May damage fertility or the unborn child.	
Specific target organ toxicity-single exposure:	None under normal conditions. Exposure to contents of toxicity-single an open or damaged battery: Causes damage to organs exposure (respiratory system).	
Specific target organ toxicity – repeated exposure:	None under normal conditions. Exposure to contents of an open or damaged battery: Causes damage to organs through prolonged or repeated exposure: Respiratory system.	
Aspiration hazard	Due to the physical form of the product it is not an aspiration hazard.	
chronic effects:	Exposure to contents of an open or damaged battery: Heavy lead exposure may result in central nervous system damage, encephalopathy and damage to the blood-forming (hematopoietic) tissues. Chronic inhalation of sulfuric acid mist may increase the risk of lung cancer.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Exposure to contents of an open or damaged battery: Very toxic to aquatic life with long lasting effects.

Components	Species	Test Results
Lead and lead compounds (CAS 7439-92-1)		
LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	1.17 mg/l, 96 Hours
Persistence and degradability:	The degradation half-life of the product is not known. Lead and its compounds are highly persistent in water.	
Bioaccumulative potential:	Bioaccumulation of lead occurs in aquatic and terrestrial animals and plants, but very little bioaccumulation occurs through the food chain.	
Mobility in soil:	If the product enters soil, one or more constituents will or may be mobile and may contaminate groundwater.	
Mobility in general:	The product is insoluble in water and will spread on water surfaces	
Other adverse effects:	None known.	

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Method of Disposal of substance:

Lead-acid batteries are completely recyclable. Return whole scrap batteries to distributor, manufacturer or lead smelter for recycling. For neutralized spills, place residue in acid-resistant containers with sorbent material, sand or earth and dispose of in accordance with local, state and federal regulations for acid and lead compounds. Contact local and/or state environmental officials regarding disposal information.

SECTION 14: TRANSPORT INFORMATION

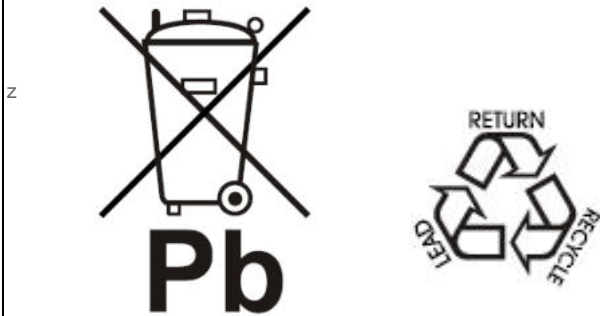
We hereby certify that all B.B. Valve Regulated Lead-acid Rechargeable batteries conform to the UN2800 classification as "Batteries, wet, Non-Spillable, and electric storage" as a result of passing the Vibration and Pressure Differential Test described in D.O.T., 49 CFR 173.159(a), and IMO/IMDG, and ICAO/IATA packing instruction 872 and note A48, A67, A164 and A183. The batteries are not restricted to IMO/IMDG code according to special provision 238.

B.B. Batteries having met the related conditions are EXEMPT from hazardous goods regulations for the purpose of transportation by DOT, and IATA/ICAO, and therefore are unrestricted for transportation by any means, including air transport. For all modes of transportation, each battery outer package is labeled "NON-SPILLABLE". All our Batteries are marked non-spillable.

SECTION 15: REGULATORY INFORMATION

EU Regulation:

In accordance with EU2013/56/EU Battery Directive, VRLA batteries should present crossed-out wheeled bin symbol of lead together with the ISO recycling symbol. Does not contain any mercury ($Hg < 0.0005\%$) or cadmium ($Cd < 0.002\%$).



SECTION 16: OTHER INFORMATION

Products such as Batteries are not in the scope of regulation which requires the publication of an EU Safety Data Sheet (91/155/EEC).



NO. 1223040044

检 测 报 告

Test Report

样品名称： 铅晶电池 6-CNFJ-22 12V 22Ah

Name of Goods: LEAD CRYSTAL BATTERY 6-CNFJ-22 12V 22Ah

委托单位： 北京索瑞森科技有限公司

Consignor: Beijing Suoruisen Technology Co., Ltd



上海化工院检测有限公司

Shanghai Institute of Chemical Industry Testing Co., Ltd.

上海化工院检测有限公司 检测报告

Shanghai Institute of Chemical Industry
Testing Co., Ltd. Test Report

No. 1223040044

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样品名称 Name of Sample	中文 Chinese	铅晶电池 6-CNFJ-22 12V 22Ah			
	英文 English	LEAD CRYSTAL BATTERY 6-CNFJ-22 12V 22Ah			
样品编号 Sample No.	1223040044				
委托单位 Consignor	北京索瑞森科技有限公司 Beijing Suoruisen Technology Co., Ltd				
生产单位 Manufacturer	北京索瑞森科技有限公司 Beijing Suoruisen Technology Co., Ltd				
检测方法 Test Method	联合国《关于危险货物运输的建议书 规章范本》 ST/SG/AC.10/1/Rev.21 3.3章 特殊规定 238 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Model Regulations ST/SG/AC.10/1/Rev.21 3.3 special provisions 238				
判定标准 Criterion	联合国《关于危险货物运输的建议书 规章范本》 ST/SG/AC.10/1/Rev.21 3.3章 特殊规定 238 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Model Regulations ST/SG/AC.10/1/Rev.21 3.3 special provisions 238				
样品外观 Appearance	黑色, 绿色双色 塑胶外壳 Black and green Plastics cement shell				
样品接受日期 Accepted Date	2023-04-13	检测起迄日期 Test Date	2023-04-17 — 2023-04-21		
检测项目 Test Items	振动试验; 压差试验; 55℃漏液试验 Vibration test, Pressure differential test, Leakage test at 55℃				
检测结论 Conclusion	经检测, 该样品符合联合国《关于危险货物运输的建议书 规章范本》 ST/SG/AC.10/1/Rev.21 3.3章 特殊规定238的标准要求 The sample has passed the test items of UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Model Regulations ST/SG/AC.10/1/Rev.21 3.3 special provisions 238 生效日期(Date): 2023-04-23				
备注 Remark	无。None.				
委托单位地址 Consignor Address	/		邮政编码 Post Code 313023		

批准
Approver:
职务
Title:

许尧

审核
Checker:

陈建峰

编制
Compiler:

傅佳

电化学测试部部长(Head of Electrochemical Testing Department)



上海化工院检测有限公司 检 测 报 告

Shanghai Institute of Chemical Industry
Testing Co., Ltd. Test Report

No. 1223040044

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序号 No	检测项目名称 Name of Test Items	标准要求或标准条款号 Standard requirement or The Clause Number of Standard	检测结果 Test Result	本项结论 Conclusion	备注 Remark
1	振动试验 Vibration test	联合国《关于危险货物运输的建议书 规章范本》 ST/SG/AC.10/1/Rev.21 3.3章 特殊规定238(a&b) UNITED NATIONS “Recommendations on the TRANSPORT OF DANGEROUS GOODS” Model Regulations ST/SG/AC.10/1/Rev.21 3.3 special provisions 238 (a&b)	无漏液。 None leakage of battery fluid.	合格。 Passed.	/
2	压差试验 Pressure differential test	联合国《关于危险货物运输的建议书 规章范本》 ST/SG/AC.10/1/Rev.21 3.3章 特殊规定238(a&b) UNITED NATIONS “Recommendations on the TRANSPORT OF DANGEROUS GOODS” Model Regulations ST/SG/AC.10/1/Rev.21 3.3 special provisions 238 (a&b)	无漏液。 None leakage of battery fluid.	合格。 Passed.	/
3	55℃漏液试验 Leakage test at 55℃	联合国《关于危险货物运输的建议书 规章范本》 ST/SG/AC.10/1/Rev.21 3.3章 特殊规定238(a&b) UNITED NATIONS “Recommendations on the TRANSPORT OF DANGEROUS GOODS” Model Regulations ST/SG/AC.10/1/Rev.21 3.3 special provisions 238 (a&b)	无漏液且无可见液体流动。 None leakage of battery fluid and there is no free liquid to flow.	合格。 Passed.	/
检测环境条件 Test Environment Condition		环境温度:20℃~21℃;环境湿度:/% Ambient temperature:20℃~21℃;Ambient humidity:/%			
分包检测情况 Subcontracted Test Condition		检测项目 Test Item	/		
		分包实验室 Subcontracted Laboratory	名称 Name	/	邮编 Post Code
			地址 Address	/	电话 Tel

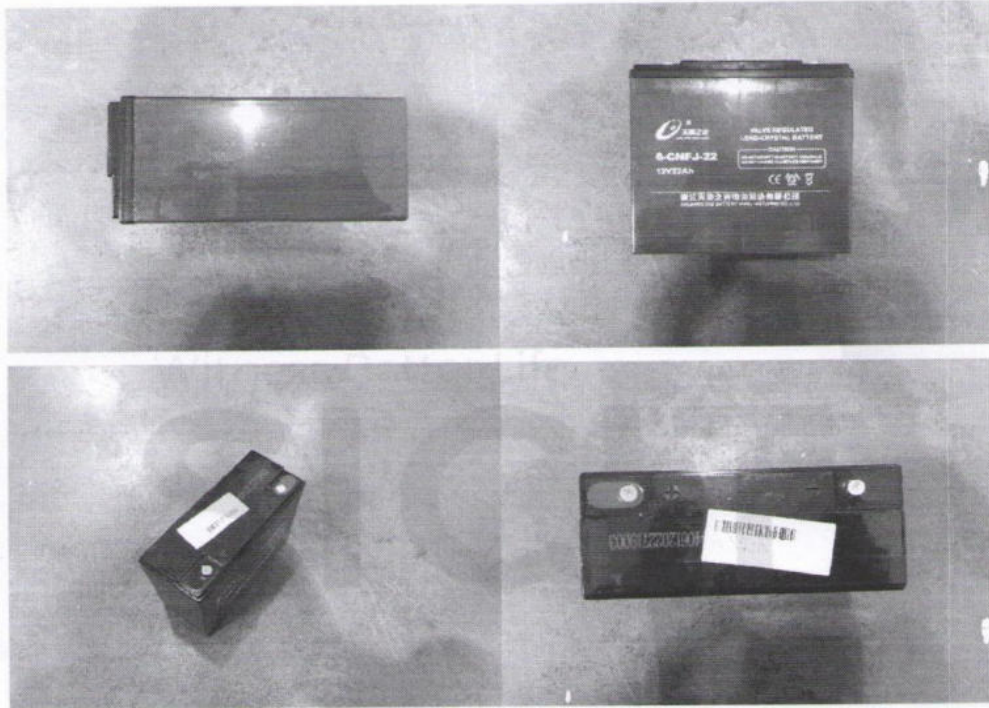
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(14)

上海化工院检测有限公司
检测报告

Shanghai Institute of Chemical Industry
Testing Co., Ltd. Test Report

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6-CNFJ-22
12V22Ah



报告结束



Battery pack containing sealed lead acid batteries PRODUCT SAFETY DATASHEET

Version: 3.2

Review date: September 24, 2025

SECTION 1: Product Identification

GHS product identifier:	Battery pack containing sealed lead acid batteries
Other Names:	Battery pack or accumulator pack with Valve Regulated Lead Acid Battery - Wet, Non-Spillable
Model Numbers:	(APC)RBC(V)XXX(L)(-AAA) or SYBT(U)XXX(-AAA) (where XXX is 1 through 999 and APC, V, L, U, -AAA are optional and AAA is a two or three letter customer or country code) or YYYY(XXX)BP (where YYYY are a series of letters designating UPS product family (like SU, SY, SUA, SRC, SRT, SMX, SURT, UX, UXA, SC, SR1, SRV, SMT, SMV, SMC, SMRT, SUM, BC, BE, BG, BI, BK, BN, BP, BR, BV, BX, BZ, SX, XB, XH, XU, XS, FJ, DL series) and XXX is pack voltage (like 24, 48, 192)
Country:	USA / CANADA
Product Type:	Battery pack is a manufactured article consisting of a plastic and metal sealed case containing one or more sealed lead acid battery connected by wires. Solid.
Examples of products covered by this safety data sheet. 1. RBC2 2. RBC12 3. APCRBC123 4. APCRBC152 5. APCRBC140 6. SYBT2 7. APCRBCV201.	

Identified uses.

Relevant identified use(s): Electric Storage Battery

Use(s) advised against: None known.

Manufacturer

Supplier/Manufacturer:	Schneider Electric IT USA, Schneider Electric IT Corp., (formerly APC by Schneider Electric, APC Sales and Service Corp.)
Address:	70 Mechanic St Foxboro, MA 02035 United States
Telephone:	+1 800-788-2208 or +1 401-789-5735
E-mail:	http://nam-en.apc.com/app/ask
Site web:	www.apc.com

Emergency telephone number (with hours of operation)

For all Service, Technical Support and Emergency Inquires.
+1-813-248-0585 CHEMTEL MIS0002494

SECTION 2: Hazards identification

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture:

Skin Corrosion 1A - H314
 Serious Eye Damage 1 - H318
 Carcinogenicity 2 - H351
 Reproductive Toxicity 1A - H360
 Specific Target Organ Toxicity Repeated Exposure 1 - H372

2.2 GHS label elements:

Signal Word: DANGER



Hazard Statements:

H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H372	Causes damage to organs - nervous system/blood/liver/kidneys through prolonged or repeated exposure.

Precautionary statements

Battery pack containing sealed lead acid batteries (NAM)

Version: 3.2

Date: September 24, 2025

Prevention

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist/vapors/spray
P264	Wash thoroughly after handling
P270	Do not eat, drink or smoke when using this product.
P280	Do not eat, drink or smoke when using this product. -

Response

P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. -
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment, see supplemental first aid information.
P363	Wash contaminated clothing before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P308+P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell

Storage/Disposal

P405	Store locked up.
P501	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations

2.3 Other hazards

OSHA HCS 2012: Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture:

Very Toxic - D1A

Other Toxic Effects - D2A

Corrosive - E

2.2 GHS label elements:



2.3 Other Hazards

In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.4 Other Information

Acid batteries used in APC by Schneider Electric Replacement Battery Cartridges (RBCs) are contained within cartridges and are sealed, non-spillable design. Under normal use and handling, there is no contact with the internal components of the battery or the chemical hazards. Under normal use and handling, these products do not emit regulated or hazardous substances. Misuse of the product, such as overcharging, may result in a discharge of battery electrolyte. Classification provided is for the battery electrolyte and are only applicable in the event that the electrolyte is discharged.

SECTION 3: Composition/information on ingredients

3.1 Substances

The material does not meet the criteria of a substance in accordance with regulation (EC) No 1272/2008

Chemical Name	CAS Number	EC Number	Composition (%)
Lead	7439-92-1	231-100-4	55.9 – 63.4
Sulfuric acid	7664-93-9	231-639-5	15.8 – 20.5
1-Propene, homopolymer	9003-07-0	--	4.8 – 12.3
Amorphous/fused silica	60676-86-0	--	3.7 – 5.6
Polyvinyl Chloride	9002-86-2	--	2.6
Copper	7440-50-8	231-159-6	2.6
Steel	--	--	0.4
Tin	7440-31-5	231-141-8	0.3
Polycarbonate	27440-31-5	--	0.1

See Section 11 for Toxicological Information. See Section 16 for full text of H-statements and R-phrases.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
Skin	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.
Ingestion	Do NOT induce vomiting. If conscious, drink large quantities of milk or water. Follow with milk of magnesia, beaten egg, egg whites or vegetable oil. Get medical attention immediately.

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

Refer to Section 11 - Toxicological Information

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

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable Extinguishing Media	Dry chemical or CO ₂ .
Unsuitable Extinguishing Media	Water should not be used unless from a safe distance due to vigorous and exothermic reaction which will result.

5.2 Special hazards arising from the substance or mixture.

Unusual Fire and Explosion Hazards	Hydrogen and oxygen gases are produced during normal battery operation and charging. These gases escape through the battery vents and may form an explosive atmosphere around the battery if ventilation is poor. Avoid open flame, sparks and other ignition sources in areas where batteries are used or stored.
Hazardous Combustion Products	Acid mists and vapors, toxic fumes from burning plastic.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Fire fighters to wear acid-resistant full protective clothing, including rubber footwear and self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions	Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas. Do not get in eyes, on skin, or on clothing. Do not breathe dusts or mists.
Emergency Procedures	As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Do not get water inside container.

6.2 Environmental precautions

Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures	Stop leak if you can do it without risk. If battery is leaking, place battery in a heavy-duty plastic bag. Contain spill by diking with soda ash, etc. Neutralize spill area with (soda ash or lime, dilute with acetic acid) Make certain mixture is neutral then collect residue and place in a drum or other suitable container.
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6.4 Reference to other sections

Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 – Disposal Considerations

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling: Use only in well-ventilated areas. Use caution when combining with water; DO NOT add water to corrosive liquid, ALWAYS add corrosive liquid to water while stirring to prevent release of heat, steam and fumes. Wear appropriate personal protective equipment, avoid direct contact. Do not get in eyes, on skin, or on clothing. Do not breathe mist, vapors, spray. Avoid direct conductive connection across positive and negative terminals to prevent short circuit. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities.

Batteries should be kept in an upright position away from ignition sources. Stack batteries so as to prevent accidental contact between terminal and/or other damage to terminals or containers. Whenever feasible, store on shipping pallet or rack. Do not stack loaded pallets or racks on top of other batteries. Store in a cool/low temperature, well-ventilated place. Avoid storage in areas exposed to heat or solar buildup.

7.3 Specific end use(s)

Refer to Section 1.2 - Relevant identified uses.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Tin (7440-31-5)	TWAs	2 mg/m ³ TWA	2 mg/m ³ TWA	Not established
Copper (7440-50-8)	TWAs	0.2 mg/m ³ TWA (fume)	1 mg/m ³ TWA (dust and mist); 0.1 mg/m ³ TWA (fume)	0.1 mg/m ³ TWA (fume); 1 mg/m ³ TWA (dust and mist)
Polyvinyl Chloride (9002-86-2)	TWAs	1 mg/m ³ TWA (respirable fraction)	Not established	Not established
Sulfuric acid (7664-93-9)	TWAs	0.2 mg/m ³ TWA (Thoracic fraction)	1 mg/m ³ TWA	1 mg/m ³ TWA
Lead as Lead, Inorganic compounds	TWAs	0.05 mg/m ³ TWA	0.050 mg/m ³ TWA	50 µg/m ³ TWA

8.2 Exposure controls

Engineering Measures/Controls: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirators if exposure limits are exceeded or symptoms are experienced.
Eye/Face	Wear eye/face protection - Chemical splash goggles, or - Full-face shield with safety glasses.
Skin/Body	Acid resistant clothing with rubber/neoprene boots for major spill clean-up. Acid resistant gloves such as rubber, neoprene, vinyl coated, PVC.
Environmental Exposure Controls	Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

SECTION 9: Physical and chemical properties**9.1 Information on Physical and Chemical Properties**

	Lead	Lead dioxide	Lead sulfate	Dilute sulfuric acid
Appearances (physical state, form, color, etc.)	Silver white solid	Brown crystal or powder	White crystal	Colorless transparent liquid
Odor	No information.	No information.	No information.	Odorless (normal temperature)
Threshold of odor	No information.	No information.	No information.	No information.
pH	No information.	No information.	No information.	≤ 1
Melting point	327.4°C	888°C	1170°C	No information
Boiling point, initial boiling point and boiling range	1,749°C	1,480°C	No information	No information
Flash point	Nonflammable	Nonflammable	Nonflammable	Nonflammable
Flammability (solid, gas)	Nonflammable	Nonflammable	Nonflammable	Not applicable
Specific gravity(density)	11.35g/cm ³ (20°C)	9.53g/cm ³	6.2	Approx. 1.2~1.4
Solubility	Water: Insoluble.	Water: Insoluble.	Water: Hardly soluble.	Miscible in water. Soluble in alcohol.

Partition coefficient (n-octanol/water)	No information.	No information	No information	No information
Auto-ignition temperature	Nonflammable	Nonflammable	Nonflammable	Nonflammable
Decomposition temperature	No information.	290°C	1000°C	No information
Viscosity	No information.	No information.	No information.	No information.
Other Information	No information.	No information.	No information.	No information.

9.2 Other Information

No additional physical and chemical parameters noted.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal temperatures and pressures

10.3 Possibility of hazardous reactions

No Data Available

10.4 Conditions to avoid

Use only approved charging methods. Avoid overcharging. Avoid short-circuiting. Avoid sparks and other ignition sources. Do not open, break or melt the casing.

10.5 Incompatible materials

Strong oxidizing or reducing agents.

10.6 Hazardous decomposition products

Can emit highly toxic fumes when heated. Combustion can produce carbon dioxide and carbon monoxide. Will release an explosive hydrogen/oxygen gas mixture. Oxides of lead, lead and/or lead compounds may be released. Sulfuric acid may release sulfur dioxide and/or sulfur trioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Components		
Sulfuric acid (15.8% TO 20.5%)	7664-93-9	Acute Toxicity: Ingestion/Oral-Rat LD50 • 2140 mg/kg; Inhalation-Rat LC50 • 510 mg/m ³ 2 Hour(s); Irritation: Eye-Rabbit • 250 µg • Severe irritation; Multi-dose Toxicity: Inhalation-Rat TCLo • 1.8 mg/m ³ 24 Hour(s) 65 Day(s)-Continuous; <i>Peripheral Nerve and Sensation:</i> Recording from peripheral motor nerve; <i>Kidney, Ureter, and Bladder:</i> Changes in both tubules and glomeruli

Polyvinyl Chloride (2.6%)	9002-86-2	Tumorigenic / Carcinogen: Ingestion/Oral-Rat TDLo • 210 g/kg 30 Week(s)- Continuous; Tumorigenic: Equivocal tumorigenic agent by RTECS criteria; Lungs, Thorax, or Respiration: Tumors; Skin and Appendages: Other: Tumors
Copper (2.6%)	7440-50-8	Reproductive: Ingestion/Oral-Rat TDLo • 152 mg/kg (22W pre); Reproductive Effects: Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus); Reproductive Effects: Specific Developmental Abnormalities: Central nervous system

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 2
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Skin Corrosion 1A
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Toxic to Reproduction 1A
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Serious Eye Damage 1

Target Organs: Nervous System, Blood, Liver, Kidney

Route(s) of entry/exposure: Inhalation, Skin, Eye, Ingestion

Potential Health Effects

Inhalation

Acute (Immediate)	Lead - For industry, inhalation is much more important than is ingestion. Systemic effects include loss of appetite, anemia, malaise, insomnia, headache, irritability, muscle and joint pains, tremors, flaccid paralysis without anesthesia, hallucinations and distorted perceptions, muscle weakness, gastritis and liver changes. Major organ systems affected are the nervous system, blood system and kidneys. Experimental evidence suggests that blood levels of lead below 10 µg/dL can lower the IQ scores of children. Low levels of lead impair neurotransmission and immune system function and may increase systolic blood pressure. Reversible kidney damage can occur from acute exposure. Sulfuric Acid - Experimental poison by inhalation.
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Chronic (Delayed)	Lead - Chronic exposure can lead to irreversible vascular sclerosis, tubular cell atrophy, interstitial fibrosis, and glomerular sclerosis. Very heavy intoxication can sometimes be detected by formation of a dark line on the gum margins. Sulfuric acid - Repeated or prolonged inhalation of sulfuric acid mist can cause inflammation of the upper respiratory tract, leading to chronic bronchitis. Severe exposure may cause chemical pneumonitis. Erosion of tooth enamel due to strong acid fume exposure has been observed in industry. Workers exposed to low concentrations of the vapors gradually lose their sensitivity to its irritating action. Occupational exposures to strong-acid mists containing sulfuric acid have been associated with several respiratory tract cancers. However, there is no animal data supporting the carcinogenicity of sulfuric acid. Sulfuric acid has been found to be non-mutagenic, and in two studies of workers employed in lead acid battery manufacture, no association between sulfuric acid mist exposure and respiratory tract cancers was observed.
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Skin

Acute (Immediate)	Sulfuric Acid - Extremely irritating, corrosive, and toxic to tissue, resulting in rapid destruction of tissue, causing severe burns. If much skin is involved, exposure is accompanied by shock, collapse and symptoms similar to those seen in severe burns. Repeated contact with dilute solutions can cause dermatitis.
Chronic (Delayed)	No Data Available

Eye

Acute (Immediate)	Causes serious eye damage.
Chronic (Delayed)	No Data Available

Ingestion

Acute (Immediate)	Lead - Poison by ingestion in large dosages and with prolonged exposure leading to the same effects as seen in exposure by inhalation. Adults absorb 5-15% of ingested lead and retain less than 5%. Children absorb about 50% and retain about 30%. Sulfuric Acid - Moderately toxic by ingestion.
Chronic (Delayed)	No Data Available

Reproductive Effects	Lead - Severe toxicity can cause sterility, abortion, and neonatal mortality and morbidity. Experimental teratogen. Experimental reproductive effects. Pathological lesions have been found on male gonads. Sulfuric Acid - Experimental teratogen.
Carcinogenic Effects	Repeated and prolonged exposure may cause cancer.

Carcinogenic Effects			
	CAS	IARC	NTP
Sulfuric acid	7664-93-9	Group 1-Carcinogenic	Not Listed
Lead	7439-92-1	Group 2A-Probable Carcinogen	Reasonably Anticipated to be Human Carcinogen
Lead as Lead Compounds	NO DATA AVAILABLE	Not Listed	Reasonably Anticipated to be Human Carcinogen
Lead as Lead, inorganic compounds	NO DATA AVAILABLE	Group 2A-Probable Carcinogen	Not Listed

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects

12.2 Persistence and degradability

Material data lacking.

12.3 Bio accumulative potential

Material data lacking.

12.4 Mobility in Soil

Material data lacking.

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment has not been conducted for this material.

12.6 Other adverse effects

No studies have been found.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product waste	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging waste	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information

The non-spillable lead acid batteries used in these battery packs are:

- Certified by their manufacturers as capable of withstanding the IATA/ICAO Vibration and Pressure Differential Test and that at a temperature of 55 degrees Centigrade, the electrolyte will not flow from a ruptured or cracked case and there is no free liquid to flow. Schneider Electric only authorizes the use of batteries that meet these criteria. Applicable certifications and test reports are available upon request.
- Packaged in accordance with the requirements of ADR/RID special provision 598, IMDG special provision 238 and IATA-DGR special provision A67 when shipped inside a UPS or packaged in accordance with the requirements of ADR/RID special provision 598, IMDG special provision 238 and IATA-DGR special provision A67 when shipped inside a UPS or shipped in their original battery pack packaging. When they are shipped inside the UPS or in their original packaging, then they are:
 - o Secured in such a way that they cannot slip, fall or be damaged.
 - o When weighing greater than 2.5 kg, provided with carrying devices, unless they are suitably stacked, e.g., on pallets.
 - o Free of dangerous traces of alkalis or acids on the outside; and protected against short circuits.
 - o Outer packaging may be marked "NONSPILLABLE" or "NONSPILLABLE BATTERY." When not marked, the outer packaging needs to be marked with one of these two phrases.
 - o Shipment by air requires on Master Air Waybill the following endorsement in the "Nature and Quantity of Good" box: "Not Restricted as per Special Provision A67"

Please note that if the Battery Pack or UPS containing the Battery pack is not shipped in the original packaging or no

longer meets any of the referenced requirements above, then the package must be shipped as follows:

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN2800	Batteries, Wet, Non-spillable	Hazard Class 8	Packing Group II	
TDG	UN2800	Batteries, Wet, Non-spillable	Hazard Class 8	Packing Group II	
IMO/IMDG	UN2800	Batteries, Wet, Non-spillable	Hazard Class 8	Packing Group II	
IATA/ICAO	UN2800	Batteries, Wet, Non-spillable	Hazard Class 8	Packing Group II	

SECTION 15: Regulatory information

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

SARA Hazard Classifications: Acute Chronic

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ENICS	TSCA
1-Propene, homopolymer	9003-07-0	Yes	No	No	No	Yes
Amorphous/fused silica	60676-86-0	Yes	No	Yes	Yes	Yes
Calcium	7440-70-2	Yes	No	Yes	No	Yes
Copper	7440-50-8	Yes	No	Yes	No	Yes
Lead	7439-92-1	Yes	No	Yes	No	Yes
Polycarbonate	25037-45-0	Yes	No	No	No	Yes
Polyvinyl Chloride	9002-86-2	Yes	No	No	Yes	Yes
Sulfuric Acid	7664-93-9	Yes	No	Yes	No	Yes
Tin	7440-31-5	Yes	No	Yes	No	Yes

CANADA

WHMIS - Classifications of Substances

Copper	7440-50-8	Part 1, Group 1 Substance
Copper as Copper compounds		Part 1, Group 1 Substance
Sulfuric acid	7664-93-9	Part 1, Group 1 Substance Part 1, Group 4 Substance
Lead	7439-92-1	(Does not include lead compounds contained in stainless steel, brass, or bronze alloys)
Lead as Lead compounds		Part 1, Group 4 Substance (Does not include lead compounds contained in stainless steel, brass, or bronze alloys)

Canada - 2005 NPRI (National Pollutant Release Inventory)

Copper	7440-50-8	Part 1, Group 1 Substance
Copper as copper compounds		Part 1, Group 1 Substance
Sulfuric acid	7664-93-9	Part 1, Group 1 Substance
Lead	7439-92-1	Part 1, Group 4 Substance
Lead as Lead compounds		Part 1, Group 4 Substance

Canada - CEPA - Priority Substances List

No substance Listed

Canada - DWQ (Drinking Water Quality) - IMACs

Battery pack containing sealed lead acid batteries (NAM)

Version: 3.2

Date: September 24, 2025

No substance Listed		
Canada - Accelerated Reduction/Elimination of Toxics (ARET)		
No substance Listed		
Canada - New Brunswick - Ozone Depleting Substances - Schedule A		
No substance Listed		
Canada - New Brunswick - Ozone Depleting Substances - Schedule B		
No substance Listed		
UNITES STATES		
U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals		
No substance Listed		
U.S. - OSHA - Specifically regulated Chemicals		
Lead	7439-92-1	30 µg/m ³ Action Level (See 29 CFR 1910.1025); 50 µg/m ³ TWA (See 29 CFR 1910.1025)
Lead as Lead, inorganic compounds		30 µg/m ³ Action Level (See 29CFR 1910.1025, as Pb); 50 µg/m ³ TWA (See 29 CFR 1910.1025, as Pb)
U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants		
No substance Listed		
U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities		
Copper	7440-50-8	5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm); 2270 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm)
Sulfuric acid	7664-93-9	1000 lb final RQ; 454 kg final RQ
Lead	7439-92-1	10 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm); 4.54 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm)
U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities		
No substance Listed		
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs		
Sulfuric acid	7664-93-9	1000 lb EPCRA RQ
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs		
Sulfuric acid	7664-93-9	1000 lb TPQ
U.S. - CERCLA/SARA - Section 313 - Emission Reporting		
Copper	7440-50-8	1.0 % de minimis concentration
Copper as copper compounds		1.0 % de minimis concentration (This category does not include CAS numbers 147-14-8, 1328-53-6, or 14302-13-7, or copper phthalocyanine compounds that are substituted with only hydrogen and/or chlorine and/or bromine.)
Sulfuric acid	7664-93-9	1.0 % de minimis concentration (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)
Lead	7439-92-1	0.1 % Supplier notification limit; 0.1 % de minimis concentration (when contained in stainless steel, brass, or bronze)
Lead as Lead, inorganic compounds		0.1 % Supplier notification limit (Chemical Category N420)
U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing		
Lead	7439-92-1	100 lb RT (this lower threshold does not apply to lead when it is contained in stainless steel, brass or bronze alloy)
Lead as Lead compounds		100 lb RT
U.S. - California - Proposition 65 - Carcinogens List		

Lead	7439-92-1	carcinogen, initial date 10/1/92
Lead as Lead compounds		carcinogen, initial date 10/1/92
U.S. - California - Proposition 65 - Developmental Toxicity		
Lead	7439-92-1	developmental toxicity, initial date 2/27/87
Lead as Lead, inorganic compounds		developmental toxicity, initial date 2/27/87
U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)		
Lead	7439-92-1	0.5 µg/day MADL
U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)		
Lead	7439-92-1	15 µg/day NSRL (oral)
U.S. - California - Proposition 65 - Reproductive Toxicity - Female		
Lead	7439-92-1	female reproductive toxicity, initial date 2/27/87
U.S. - California - Proposition 65 - Reproductive Toxicity - Male		
Lead	7439-92-1	male reproductive toxicity, initial date 2/27/87

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

15.3 Other Information

WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm

SECTION 16: Other information

Review date: September 24, 2025

Version: 3.2

Relevant Phrases (code & full text)

H319 - Causes serious eye irritation

H332 - Harmful if inhaled.

H335 - May cause respiratory irritation.

H361 - Suspected of damaging fertility or the unborn child.

H372 - Causes damage to organs through prolonged or repeated exposure.

R36/37 - Irritating to eyes and respiratory system.

R38 - Irritating to skin.

R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R63 - Possible risk of harm to the unborn child.

Every endeavor has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain, and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Schneider Electric Incorporated accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Federal, State and Local Government regulations.

Notice to reader.

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



NO. 1215120014

检 验 报 告

Test Report

样品名称： 阀控式密封铅酸蓄电池BP7-12(7AH12V)

Name of Goods: VRLA

委托单位： 长沙镁镁科技有限公司

Consignor: /



上海化工研究院检测中心

Shanghai Research Institute of Chemical Industry Testing Centre

上海化工研究院检测中心
检验报告
SRICI Testing Centre Test Report

No. 1215120014

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样品名称 Name of Sample	中文 Chinese	阀控式密封铅酸蓄电池BP7-12(7AH12V)	
	英文 English	VRLA	
样品编号 Sample No.	1215120014		
委托单位 Consignor	长沙镁镁科技有限公司 /		
生产单位 Manufacturer	长沙镁镁科技有限公司 /		
检验方法 Test Method	联合国 关于危险货物运输的建议书 规章范本 (18th) ST/SG/AC. 10/1/Rev. 18 3.3章的特殊规定238 UNITED NATIONS Recommendations on the TRANSPORT OF DANGEROUS GOODS Regulations (18th)ST/SG/AC. 10/1/Rev. 18 Chapter 3.3 SPECIAL PROVISIONS 238		
判定标准 Criterion	联合国 关于危险货物运输的建议书 规章范本 (18th) ST/SG/AC. 10/1/Rev. 18 3.3章的特殊规定238 UNITED NATIONS Recommendations on the TRANSPORT OF DANGEROUS GOODS Regulations (18th)ST/SG/AC. 10/1/Rev. 18 Chapter 3.3 SPECIAL PROVISIONS 238		
样品外观 Appearance	黑色 塑胶外壳 Black Plastics cement shell		
样品接受日期 Accepted Date	2015-12-16	检测起始日期 Test Date	2015-12-22 — 2015-12-31
检测项目 Test Items	振动试验;压差试验;55℃漏液试验 Vibration test, Pressure differential test, Leakage test at 55℃		
检验结论 Conclusion	经检验, 该样品符合联合国 关于危险货物运输的建议书 规章范本 (18th) ST/SG/AC. 10/1/Rev. 18 3.3章的特殊规定238的标准要求 The sample has passed the test items of UNITED NATIONS Recommendations on the TRANSPORT OF DANGEROUS GOODS Regulations (18th)ST/SG/AC. 10/1/Rev. 18 Chapter 3.3 SPECIAL PROVISIONS 238 生效日期(Date): 2015-12-31		
备注 Remark	无。None.		
委托单位地址 Consignor Address	/		邮政编码 Post Code 410100

批准
Approver:
职务
Title:

张小明

副总工程师(Vice chief engineer)

审核
Checker:

王军

编制
Compiler:

周新



上海化工研究院检测中心
检 验 报 告
SRICI Testing Centre Test Report

No. 1215120014

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序号 No	检验项目名称 Name of Test Items	标准要求或标准条款号 Standard requirement or The Clause Number of Standard	检测结果 Test Result	本项结论 Conclusion	备注 Remark
1	振动试验 Vibration test	联合国《关于危险货物运输的建议书 规章范本》 (18th) 3.3章特殊规定238(a) UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Model Regulations(18th) Chapter 3.3 SPECIAL PROVISIONS 238(a)	无漏液。 None leakage of battery fluid.	合格。 Passed.	/
2	压差试验 Pressure differential test	联合国《关于危险货物运输的建议书 规章范本》 (18th) 3.3章特殊规定238(a) UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Model Regulations(18th) Chapter 3.3 SPECIAL PROVISIONS 238(a)	无漏液。 None leakage of battery fluid.	合格。 Passed.	/
3	55℃漏液试验 Leakage test at 55℃	联合国《关于危险货物运输的建议书 规章范本》 (18th) 3.3章特殊规定238(b) UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Model Regulations(18th) Chapter 3.3 SPECIAL PROVISIONS 238(b)	无漏液且无可见液体流动。 None leakage of battery fluid and there is no free liquid to flow.	合格。 Passed.	/
检验环境条件 Test Environment Condition		环境温度:18℃-23℃;环境湿度:/% Ambient temperature:18℃-23℃;Ambient humidity:/%			
分包检验情况 Subcontracted Test Condition		检验项目 Test Item	/		
		分包实验室 Subcontracted Laboratory	名称 Name	/	邮编 Post Code
			地址 Address	/	电话 Tel

研究

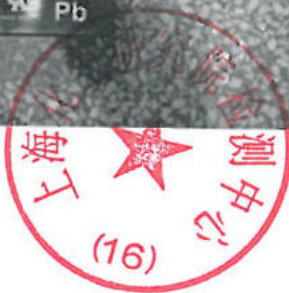
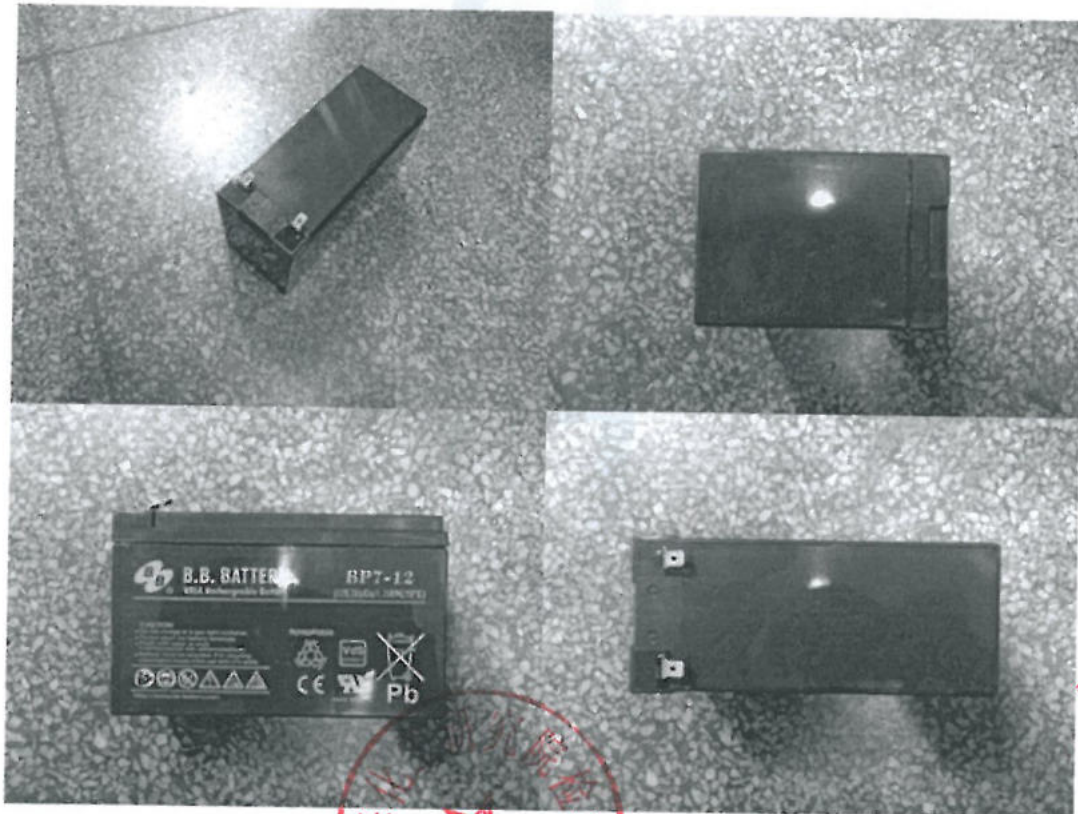


16)

上海化工研究院检测中心
检 验 报 告
SRICI Testing Centre Test Report

No. 1215120014

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Shipper
SCAN GLOBAL LOGISTICS S.R.O.
PODNIKATELSKA 599, 252 67
TUCHOMERICE, CZECH REPUBLIC
TAX CZ09038019

B/L No.
ALM259407



SACO SHIPPING LINE LTD

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

6/09/HAM/168002

Copy

Consigned to order of

SGL TRANSGROUP DE MEXICO S.A.DEC.V.
AV. PASEO DE LAS PALMAS 405, INT
501 Y 504 COL. LOMAS DE CHAPULTEPEC III
SECCION TAX STM2012087C3
CALCEDIA: MIGUEL HIDALGO, CDMX,
C.P. 11000.

Notify Party and address

SGL TRANSGROUP DE MEXICO S.A.DEC.V.
AV. PASEO DE LAS PALMAS 405, INT
501 Y 504 COL. LOMAS DE CHAPULTEPEC III
SECCION TAX STM2012087C3
CALCEDIA: MIGUEL HIDALGO, CDMX,
C.P. 11000.

		Place of receipt PRAGUE	
Ocean vessel MAERSK FELIXSTOWE 638W		Port of loading BREMERHAVEN	
Port of discharge ALTAMIRA		Place of delivery ALTAMIRA CFS	Freight payable PRAG
			Number of original Bills of Lading 0/ZERO
Marks and Nos. 1004366062 1004366033	Quantity of Goods 2 PACKAGES	Description of Goods WELDING MATERIAL INSULATIONS HS: 85159080, 65070000, 85472000, 85334090, 39269097 39206100, 72222031, 72299090	Said to contain Gross weight, kg. 426,000 Measurement, m ³ 1,123

STOWED INTO CONTAINER NO.: HASU4321900

SEAL : B199134

TOTAL **2 PACKAGES** **426,000 KGS** **1,123 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.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA, C.P. 06700 MEXICO D.F.
TEL:005255146915, FAX:005252087989
CHRISTIAN.VEGA@INTERTEAM.COM.MX

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
PRAHA 25.09.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
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
EJOT SE & CO. KG
HERRENWIESE 8
57319 BAD BERLEBURG, GERMANY
MAIL: LFOELLMER@EJOT.COM
T +49 2751 529 3930
VAT-NO.: DE126587844
TAX-NO.: 342/5882/0947

B/L No.
ALM259530



SACO SHIPPING LINE LTD

Consigned to order of
EJOTATF FASTENERS DE MEXICO Y COMPAÑIA
RFC NO.: EFM070607EL5
AV. DEL SIGLO #180, PARQUE
INDUSTIAL MILLENIUM, SAN LUIS
POTOSI, MEXICO 78395

Notify Party and address
EJOTATF FASTENERS DE MEXICO Y COMPAÑIA
CONTACT: EDGAR ORELLANA
T +52 444 870 82 04
M +52 444 165 80 64
MAIL: EORELLANA@EJOT-ATF.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

6/09/HAM/168014

Copy

		Place of receipt KREUZTAL	
Ocean vessel MAERSK FELIXSTOWE 638W		Port of loading BREMERHAVEN	
Port of discharge ALTAMIRA	Place of delivery SAN LUIS POTOSI DAP	Freight payable HAMBURG	Number of original Bills of Lading 0/ZERO
Marks and Nos. ALM259530 E-8378-001	Quantity of Goods 1 CASE	Description of Goods 1 PC THREAD ROLLING MACHINE BRAND: KYOEI MODEL: SR-0 SERIAL NUMBER 0612564 YEAR OF MANUFACTURE 1996 EJOT ASSET NO. 28100463 EJOT WORKPLACE 32455 CUSTOMS TARIFF NO.:84632000 COUNTRY OF ORIGIN:JAPAN	Said to contain Gross weight, kg. 840,000 Measurement, m ³ 5,080

DELIVERY:
DAP MX-78395 SAN LUIS POTOSI

STOWED INTO CONTAINER NO.: HASU4321900

SEAL : B199134

TOTAL **1 CASE** **840,000 KGS** **5,080 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.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA,C.P. 06700 MEXICO D.F.
TEL:005255146915,FAX:005252087989
CHRISTIAN.VEGA@INTERTEAM.COM.MX

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 25.09.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
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



INLAND SERVICE COORDINATION ON-CARRIAGE

Agent:	SACO SHIPPING GMBH, HAMBURG				
Contact:	BIRTE MEINS	e-mail:	Birte.Meins@saco.de	Phone:	
Product:	FAK / Dry Cargo	Estimated Cargo Value:		0.00	
Total Packages:	1	Total Gross weight:	840.00	Volume:	5.080
Chargeable Vol:	5.080	Dangerous:	NO	Stackable:	NO

Dear:
The following quote applies only to the details provided (origin, destination, routing, weight, volume, type of commodity, etc.) If any of these concepts change the costs may vary, so it will be necessary to request an update of the quotation.

Service	ON-CARRIAGE	T.T	2 Days
Pick up Port:	ALTAMIRA	Delivery Place:	Zona industrial Parque Industrial Millennium, San Luis Potosí, San Luis Potosí, México

Dimensions in meters

No. of Packages	Length m	Width m	Height m	Volume	Weight per packageKgs	Total weight Kgs
1	1.70	1.20	2.49	5.08	840.00	840.00
1 Packages				5.08 m³		840 Kgs

Inland freight

Concept	Currency	Rate	Unit	Subtotal	VAT	Amount
Inland Servcie Coordination (Pick up & Delivery)	USD	1,641.579	LS	1,641.579	0.000	1,641.579
				Total Inland freight: 1,641.58 USD		

SUBTOTAL	1,641.58 USD
(IVA / VAT)	0.00 USD
TOTAL	1,641.58 USD

VALIDITY: 0000-00-00
EXCHANGE RATE: 16.97

We thank you for your preference! In case you should have any questions, please do not hesitate to contact us.
Best regards.

Quotation sent by: VJASSO
vanessa.jasso@interteam.com.mx
Office phone +52 +55 55149897
www.interteam.com.mx

Print Date: 2026/08/31 11:19:21

All contracted services with INTERTEAM, S.A. de C.V. are subject to the Standard Trading Conditions (STC) established by the Mexican Association of Freight Forwarders (AMACARGA) which can be found here: [STC y T&C](#)

1. THE CUSTOMER acknowledges that the operations carried out by INTERTEAM are subject to the Standard Trading Conditions (STC) prepared and published by the Asociación Mexicana de Agentes de Carga, A.C., except for the clauses relating to forms of payment and documentation delivery deadlines for the operation, which can be consulted on the following page: (Clause 13). However, the transportation document applicable to the operation and the terms and conditions of the operational documents sent by INTERTEAM will also be subject to the corresponding contract.
2. For the purposes of the STC, the term LOADING AGENT will be understood to refer to INTERTEAM as a service provider in its capacity of NVOCC (Non-Vessel Operating Common Carrier) (consolidator) and the term CUSTOMER will refer to freight agents or customers in general who request the service from INTERTEAM.
3. The clauses of the STC will be applicable in those cases that are consistent with the specific service contracted.
4. For the purposes of clause 17.4 of STC, THE CUSTOMER will have a maximum of 1 (one) day after the collection of the goods to deliver the necessary data, documents, and information for that specific service.
5. INTERTEAM may request additional documents to those indicated in clauses 17.4.1 to 17.4.6. of the STC.
6. The goods travel at the expense and risk of THE CUSTOMER and it will be solely responsible for contracting and accepting the terms and conditions of the insurance policy, even when the INCOTERM quoted includes insurance, it will be the responsibility of THE CUSTOMER to expressly request it.
7. THE CUSTOMER declares that it has sufficient legal resources to cover its obligations to INTERTEAM.
8. THE CUSTOMER will be required to immediately inform INTERTEAM of any instruction on the insurance policy contracted on its own so that it is fulfilled; otherwise, INTERTEAM will be released from any responsibility. Likewise, if INTERTEAM contracts the insurance policy, it will not be required to know the conditions of said policy, so any additional service indicated by the policy will be quoted separately and at the express request of THE CUSTOMER.
9. INTERTEAM is not responsible for delays in the delivery of goods since the delivery is made based on estimated delivery and arrival times.
10. THE CUSTOMER acknowledges that the conditions and form of payment will be determined in the quotation or, where appropriate, in accordance with the credit agreement granted by INTERTEAM.
11. The deadline to deliver the documentation of the operation will be up to 24 hours after the booking is made. Otherwise, if the change cannot be made or if there are delays, it will be the responsibility of THE CUSTOMER.
12. For DAP (Delivered-at-Place) services, in local transfers and to and from distribution centers (centros de distribución, CEDIS), THE CUSTOMER will be solely responsible for contracting the goods insurance.
13. INTERTEAM must send the invoice within a period of no more than 24 hours after receiving the customer's instructions; consequently, THE CUSTOMER will have a period of 24 hours to review and request clarification or corrections. Once this period has elapsed, THE CUSTOMER must pay the invoice within 72 hours after receiving the invoice.
14. All shipments are booked as stackable unless expressly mentioned otherwise. If THE CUSTOMER desires to change the shipment to NON-STACKABLE, it will be quoted again; any expense or delay that this request causes will be attributable to THE CUSTOMER.
15. THE CUSTOMER will be responsible for the damage caused to the container, so THE CUSTOMER must have an insurance policy that covers this type of loss.
16. THE CUSTOMER acknowledges that the process and delivery of VGM (Verified Gross Mass) (cargo weighing) will be mandatory to be able to ship its goods in the case of maritime transport.
17. If THE CUSTOMER has credit, and the service exceeds the limit granted, THE CUSTOMER must pay the total debt to proceed to releasing the goods; the foregoing, even if a part of the debt is subject to credit.
18. The pandemic caused by the SARS-COV-2 virus (COVID-19) has caused a shortage of containers, port congestion, lack of space, lag times and/or changes in itineraries, which can represent additional costs, such as delays, storage, etc., so INTERTEAM will NOT absorb for any reason the payment of any type of extra costs, since their origin is beyond INTERTEAM's control.
19. If the quoted service is a ROUTING ORDER of an INTERTEAM's counterparty, we inform you that charging for delays will apply in cases where the goods cannot be imported or exported.
20. INTERTEAM DOES NOT carry out procedures with warehouses or authorities of any kind in case the goods cannot be cleared through customs.
21. THE CUSTOMER is responsible for delivering the applicable customs information to comply with the issuance of the corresponding transfer-type CFDI (Comprobante Fiscal Digital por Internet, digital tax receipt).

Shipper
HANSA GATEWAY UG
(HAFTUNGSBESCHRAENKT)
WAGNERSTR. 14
TAX-ID: DE273690361
08523 PLAUEIN GERMANY
TEL.: +49 (0) 37415764858

B/L No.
ALM259535



SACO SHIPPING LINE LTD

Consigned to order of
PORTOS INTERNATIONAL SA DE CV
BLVD. ANTONIO L. RODRIGUEZ 3080
PISO 8, OF. A805-A808, C.P. 64650
COL. SANTA MARIA, MONTERREY, N.L.
OPERACIONES@PORTOSINTERNATIONAL.COM
RFC: PIN191126CL3*

Notify Party and address
PORTOS INTERNATIONAL SA DE CV
BLVD. ANTONIO L. RODRIGUEZ 3080
PISO 8, OF. A805-A808, C.P. 64650
COL. SANTA MARIA, MONTERREY, N.L.
OPERACIONES@PORTOSINTERNATIONAL.COM
RFC: PIN191126CL3*

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

6/09/HAM/168015

Copy

		Place of receipt HAMBURG CFS		
Ocean vessel MAERSK FELIXSTOWE 638W	Port of loading BREMERHAVEN			
Port of discharge ALTAMIRA	Place of delivery ALTAMIRA FOT	Freight payable HAMBURG	Number of original Bills of Lading 0/ZERO	
Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg. Measurement, m ³
CARGO DETAILS AS PER ATTACHED STATEMENT				

FREIGHT PREPAID - SHIPPED ON BOARD - EXPRESS RELEASE

All particulars above declared by Merchant

For delivery of cargo please apply to:

INTERTEAM, S.A. DE C.V.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA, C.P. 06700 MEXICO D.F.
TEL:005255146915, FAX:005252087989
CHRISTIAN.VEGA@INTERTEAM.COM.MX

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 25.09.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
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

Marks and Nos.	Quantity of Goods	Description of Goods	Said to contain	Gross weight, kg.	Measurement, m ³
ALM259535 IKANO INDUSTRY MEXICO	9 PALLETS	SPARE PARTS HS CODE: 73202020 * TEL: +52 81 2188 0466 THE PACKAGING IS NOT TRANSPORT RELATED PACKED. ACCORDING TO CHAPTER 11 / PARAGRAPH C OF THE SACO SHIPPING LINE LTD 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.		3484,000	9,654
STOWED INTO CONTAINER NO.: HASU4321900				SEAL : B199134	
TOTAL	9 PALLETS			3484,000 KGS	9,654 CBM

Shipper
EMOTRANS GMBH
OBER DER MUEHLE 30
DE-42699 SOLINGEN
AS AGENTS FOR EM-LINES LTD.
VAT/UST-IDNR.: DE147851839
TEL: +49 212 221680

B/L No.
ALM259584



SACO SHIPPING LINE LTD

Consigned to order of
TCI INTERNATIONALLOGISTICS DE
MEXICO, SA DE CV
BARRANCA DEL MUERTO NO. 525 1ER
PISO. COL. MERCEDGOMEZ
DELEGACION ALVARO OBREGON
C.P. 01600, CIUDAD DE MEXICO

Notify Party and address
SAME AS CONSIGNEE:
TEL. 015255-56600334
RFC: TIL020508NA3
CAAT: 5471

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

6/09/HAM/168029

Copy

		Place of receipt HAMBURG CFS	
Ocean vessel MAERSK FELIXSTOWE 638W		Port of loading BREMERHAVEN	
Port of discharge ALTAMIRA	Place of delivery ALTAMIRA CFS		Freight payable ALTAMIRA
		Number of original Bills of Lading 0/ZERO	
Marks and Nos. 4500535959 ALMESA COMERCIAL DE ORIENTE SA DE CV EXT. 24 INT. DIV-1 MEX 72730 CUAUTLANCINGO,, PUE STOWED INTO CONTAINER NO.: HASU4321900	Quantity of Goods 1 PACKAGE	Description of Goods CABLE REEL VLF221 HS-CODE: ??????	Said to contain Gross weight, kg. 68,000 Measurement, m ³ 0,366

SEAL : B199134

TOTAL **1 PACKAGE** **68,000 KGS** **0,366 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 25.09.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkammereistraße 1
21107 Hamburg
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Shipper
STRECK TRANSPORTGES. MBH
JACOB-BRODBECK-STR. 4
70794 FILDERSTADT (STUTT GART)
GERMANY

B/L No.
ALM259585



SACO SHIPPING LINE LTD

Consigned to order of
HENCO GLOBAL S.A. DE C.V.
CALLE ROBLE # 668-A COLONIA URDIALES
C.P.4330, MONTERREY NUEVO LEON-MEXICO
RFC: HGL980417J43-PH:+52(81)81582800

Notify Party and address
HENCO GLOBAL S.A. DE C.V.
CALLE ROBLE # 668-A COLONIA URDIALES
C.P.4330, MONTERREY NUEVO LEON-MEXICO
RFC: HGL980417J43-PH:+52(81)81582800

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

6/09/HAM/168030

Copy

		Place of receipt WINNENDEN	
Ocean vessel MAERSK FELIXSTOWE 638W		Port of loading BREMERHAVEN	
Port of discharge ALTAMIRA		Place of delivery ALTAMIRA CFS	Freight payable ALTAMIRA
			Number of original Bills of Lading 0/ZERO
Marks and Nos. ALM259585 GIESSER JG2026/08/36/1-19 STOWED INTO CONTAINER NO.: HASU4321900	Quantity of Goods 2 PALLETS	Description of Goods KNIFES HS CODE:821192	Said to contain Gross weight, kg. 450,000 Measurement, m ³ 2,705
TOTAL		2 PALLETS	450,000 KGS 2,705 CBM

SEAL : B199134

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
CHRISTIAN.VEGA@INTERTEAM.COM.MX

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 25.09.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
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
C.H. ROBINSON EUROPE B.V.
ANDORRAWEG 2
1432 DB AALSMEER
NETHERLANDS
NL811514274801

B/L No.
ALM259595



SACO SHIPPING LINE LTD

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

6/09/HAM/168031

Copy

Consigned to order of
CH ROBINSON GLOBAL FORWARDING,
MEXICO SA DE CV
AV INSURGENTES SUR 800 P.17
R.F.C. CRG-180816-GA9 03100
BENITO JUAREZ, CMX MEXICO
YAZMIN.TORRES@CHROBINSON.COM
ERIKA.QUEZADA@CHROBINSON.COM

Notify Party and address
CH ROBINSON GLOBAL FORWARDING,
MEXICO SA DE CV
AV INSURGENTES SUR 800 P.17
R.F.C. CRG-180816-GA9 03100
BENITO JUAREZ, CMX MEXICO
YAZMIN.TORRES@CHROBINSON.COM
ERIKA.QUEZADA@CHROBINSON.COM

		Place of receipt HAMBURG CFS			
Ocean vessel MAERSK FELIXSTOWE 638W		Port of loading BREMERHAVEN			
Port of discharge ALTAMIRA		Place of delivery ALTAMIRA CFS		Freight payable HAMBURG	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
CFS ALTAMIRA PE RSONA M/N STOWED INTO CONTAINER NO.: HASU4321900	5 PACKAGES	PLASTIC HANDLE HS CODE: 82121010		742,000	9,540
				SEAL : B199134	
CONTITECH MEXICAN A CFS: ALTAMIRA R EF. NUM: 26080001 7 / PACKING LIST 17 STOWED INTO CONTAINER NO.: HASU4321900	4 PACKAES	OUTER RING BUSHINGS HS CODE: 3908 1000		494,000	5,078
				SEAL : B199134	
CFS ALTAMIRA PROFORMA INVOICE 90009533 STOWED INTO CONTAINER NO.: HASU4321900	2 PACKAGES	STAINLESS WELDED PROCESS TUBES HS 73064080		1006,500	0,720
				SEAL : B199134	
TOTAL		11 PACKAGES		2242,500 KGS	15,338 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.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA, C.P. 06700 MEXICO D.F.
TEL:005255146915, FAX:005252087989
CHRISTIAN.VEGA@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 25.09.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



Shipper
DAMCO GERMANY GMBH
JOHANNISWALL 7
20095 HAMBURG
GERMANY

B/L No.
ALM259603



SACO SHIPPING LINE LTD

Consigned to order of
SENATOR LOGISTICS, S.A. DE C.V. AS
AGENT OF HANSE OCEAN LINE LTD.
INSURGENTES SUR 826, PISO 8 COL. DEL
VALLE DEL. BENITO JUAREZ 03100 CIUDAD
DE MEXICO MEXICO
RFC: SLO030415G77

Notify Party and address
SENATOR LOGISTICS, S.A. DE C.V. AS
AGENT OF HANSE OCEAN LINE LTD.
INSURGENTES SUR 826, PISO 8 COL. DEL
VALLE DEL. BENITO JUAREZ 03100 CIUDAD
DE MEXICO MEXICO
RFC: SLO030415G77

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

6/09/HAM/168038

Copy

		Place of receipt HAMBURG CFS	
Ocean vessel MAERSK FELIXSTOWE 638W		Port of loading BREMERHAVEN	
Port of discharge ALTAMIRA	Place of delivery ALTAMIRA CFS		Freight payable HAMBURG
		Number of original Bills of Lading 0/ZERO	
Marks and Nos. ALM259603 SIEMENS ENERGY, S. DE R.L. DE C.V. PO 4800953051 DN SIEFA0044645822	Quantity of Goods 1 CASES	Description of Goods S.T.C. SURGE ARRESTER INVOICE: 477QGP51848128 HS-CODE: 85354000	Said to contain Gross weight, kg. 154,000 Measurement, m ³ 0,523
STOWED INTO CONTAINER NO.: HASU4321900		SEAL : B199134	
TOTAL		1 CASES	154,000 KGS 0,523 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.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA,C.P. 06700 MEXICO D.F.
TEL:005255146915,FAX:005252087989
CHRISTIAN.VEGA@INTERTEAM.COM.MX

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 25.09.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wolkämmereistraße 1
21107 Hamburg
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
POSSEHL ELECTRONICS DEUTSCHLAND GMB
ENZTALSTRASSE 6
75223 NIEFERN-OESCHELBRONN
GERMANY

B/L No.
ALM259605



SACO SHIPPING LINE LTD

Consigned to order of
AUMOVIO GUADALAJARA MEXICO
S. DE R.L. DE C.V.
PLANT TIJERA, CAMINO ALA TIJERA 3
45647 TLAJOMULCO DE ZUNIGA
MEXICO

Notify Party and address
AUMOVIO GUADALAJARA MEXICO
S. DE R.L. DE C.V.
ADRIAN GARCA PREZ
PHONE: +52 (33) 3818-2000 EXT
ADRIAN.2.GARCIA.PEREZ@AUMOVIO.COM
RFC NUMBER: SVD000317AH4

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

6/09/HAM/168039

Copy

		Place of receipt HAMBURG CFS			
Ocean vessel MAERSK FELIXSTOWE 638W		Port of loading BREMERHAVEN			
Port of discharge ALTAMIRA		Place of delivery GUADALAJARA DAP	Freight payable HAMBURG	Number of original Bills of Lading 0/ZERO	
Marks and Nos. AUTOMOVIO GUADALA JARA MEXICO STOWED INTO CONTAINER NO.: HASU4321900		Quantity of Goods 11 PACKAGES	Description of Goods AUTOMOTIVE SPARE PARTS HS CODE:85389091	Said to contain Gross weight, kg. 1386,000	Measurement, m³ 9,614
				SEAL : B199134	

TOTAL **11 PACKAGES** **1386,000 KGS** **9,614 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.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA,C.P. 06700 MEXICO D.F.
TEL:005255146915,FAX:005252087989
CHRISTIAN.VEGA@INTERTEAM.COM.MX

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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Place and date of issue
HAMBURG 25.09.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
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



INLAND SERVICE COORDINATION ON-CARRIAGE

Agent: SACO SHIPPING GMBH, HAMBURG
Contact: BIRTE MEINS e-mail: Birte.Meins@saco.de Phone:
Product: FAK / Dry Cargo Estimated Cargo Value:
Total Packages: 11 Total Gross weight: 1,386.00 Volume: 12.672
Chargeable Vol: 12.672 Dangerous: NO Stackable: YES

Dear:
The following quote applies only to the details provided (origin, destination, routing, weight, volume, type of commodity, etc.) If any of these concepts change the costs may vary, so it will be necessary to request an update of the quotation.

Service ON-CARRIAGE T.T 2 Days
Pick up Port: ALTAMIRA Delivery Place: AUMOVIO Guadalajara Mexico S. de R.L. de C.V. Plant Tijera Camino a la Tijera 3 45647 Tlajomulco de Zuniga, Jal Mexico

Dimensions in meters

No. of Packages	Length m	Width m	Height m	Volume	Weight per packageKgs	Total weight Kgs
11	1.20	0.80	1.20	12.67	126.00	1,386.00
11 Packages				12.672 m ³		1386 Kgs

Inland freight

Concept	Currency	Rate	Unit	Subtotal	VAT	Amount
Inland Servcie Coordination (Pick up & Delivery)	USD	818.771	LS	818.771	0.000	818.771
Total Inland freight: 818.77 USD						

SUBTOTAL	818.77 USD
(IVA / VAT)	0.00 USD
TOTAL	818.77 USD

VALIDITY: 2026-09-30
EXCHANGE RATE: 16.92

We thank you for your preference! In case you should have any questions, please do not hesitate to contact us.
Best regards.

Quotation sent by: VJASSO
vanessa.jasso@interteam.com.mx
Office phone +52 +55 55149897
www.interteam.com.mx

Print Date: 2026/09/10 13:39:30

All contracted services with INTERTEAM, S.A. de C.V. are subject to the Standard Trading Conditions (STC) established by the Mexican Association of Freight Forwarders (AMACARGA) which can be found here: [STC y T&C](#)

1. THE CUSTOMER acknowledges that the operations carried out by INTERTEAM are subject to the Standard Trading Conditions (STC) prepared and published by the Asociación Mexicana de Agentes de Carga, A.C., except for the clauses relating to forms of payment and documentation delivery deadlines for the operation, which can be consulted on the following page: (Clause 13). However, the transportation document applicable to the operation and the terms and conditions of the operational documents sent by INTERTEAM will also be subject to the corresponding contract.
2. For the purposes of the STC, the term LOADING AGENT will be understood to refer to INTERTEAM as a service provider in its capacity of NVOCC (Non-Vessel Operating Common Carrier) (consolidator) and the term CUSTOMER will refer to freight agents or customers in general who request the service from INTERTEAM.
3. The clauses of the STC will be applicable in those cases that are consistent with the specific service contracted.
4. For the purposes of clause 17.4 of STC, THE CUSTOMER will have a maximum of 1 (one) day after the collection of the goods to deliver the necessary data, documents, and information for that specific service.
5. INTERTEAM may request additional documents to those indicated in clauses 17.4.1 to 17.4.6. of the STC.
6. The goods travel at the expense and risk of THE CUSTOMER and it will be solely responsible for contracting and accepting the terms and conditions of the insurance policy, even when the INCOTERM quoted includes insurance, it will be the responsibility of THE CUSTOMER to expressly request it.
7. THE CUSTOMER declares that it has sufficient legal resources to cover its obligations to INTERTEAM.
8. THE CUSTOMER will be required to immediately inform INTERTEAM of any instruction on the insurance policy contracted on its own so that it is fulfilled; otherwise, INTERTEAM will be released from any responsibility. Likewise, if INTERTEAM contracts the insurance policy, it will not be required to know the conditions of said policy, so any additional service indicated by the policy will be quoted separately and at the express request of THE CUSTOMER.
9. INTERTEAM is not responsible for delays in the delivery of goods since the delivery is made based on estimated delivery and arrival times.
10. THE CUSTOMER acknowledges that the conditions and form of payment will be determined in the quotation or, where appropriate, in accordance with the credit agreement granted by INTERTEAM.
11. The deadline to deliver the documentation of the operation will be up to 24 hours after the booking is made. Otherwise, if the change cannot be made or if there are delays, it will be the responsibility of THE CUSTOMER.
12. For DAP (Delivered-at-Place) services, in local transfers and to and from distribution centers (centros de distribución, CEDIS), THE CUSTOMER will be solely responsible for contracting the goods insurance.
13. INTERTEAM must send the invoice within a period of no more than 24 hours after receiving the customer's instructions; consequently, THE CUSTOMER will have a period of 24 hours to review and request clarification or corrections. Once this period has elapsed, THE CUSTOMER must pay the invoice within 72 hours after receiving the invoice.
14. All shipments are booked as stackable unless expressly mentioned otherwise. If THE CUSTOMER desires to change the shipment to NON-STACKABLE, it will be quoted again; any expense or delay that this request causes will be attributable to THE CUSTOMER.
15. THE CUSTOMER will be responsible for the damage caused to the container, so THE CUSTOMER must have an insurance policy that covers this type of loss.
16. THE CUSTOMER acknowledges that the process and delivery of VGM (Verified Gross Mass) (cargo weighing) will be mandatory to be able to ship its goods in the case of maritime transport.
17. If THE CUSTOMER has credit, and the service exceeds the limit granted, THE CUSTOMER must pay the total debt to proceed to releasing the goods; the foregoing, even if a part of the debt is subject to credit.
18. The pandemic caused by the SARS-COV-2 virus (COVID-19) has caused a shortage of containers, port congestion, lack of space, lag times and/or changes in itineraries, which can represent additional costs, such as delays, storage, etc., so INTERTEAM will NOT absorb for any reason the payment of any type of extra costs, since their origin is beyond INTERTEAM's control.
19. If the quoted service is a ROUTING ORDER of an INTERTEAM's counterparty, we inform you that charging for delays will apply in cases where the goods cannot be imported or exported.
20. INTERTEAM DOES NOT carry out procedures with warehouses or authorities of any kind in case the goods cannot be cleared through customs.
21. THE CUSTOMER is responsible for delivering the applicable customs information to comply with the issuance of the corresponding transfer-type CFDI (Comprobante Fiscal Digital por Internet, digital tax receipt).

SPEDITEUR
ABHOLER

ABSENDER
MAX MOTHES GmbH
Fuggerstr. 9
41468 Neuss



LIEFERANSCHRIFT

CConsortio Industrial Mexicano-SLP
Calle Très 105 Lote 4 de Autopartes
Parque Ind. Millennium
78395 San Luis Potosi
MEXICO

Speditionsauftrag

Referenz-Nr.: 51074765
Datum: 14.09.2026
Kurzzeichen: TOBIASZ

Ihre Referenz:

NOTIFY:

Lieferbedingung: FCA Neuss

Wert für SLVS: 2000 EUR
Sendungswert: 1.288,00 EUR

UNSERE ABHOLZEITEN: Mo - Fr 08:00 - 16:30 Uhr

Menge	Verpackung	Inhalt	Bruttogewicht	Abmessungen
1	Einwegpalette	Verbindungselemente / Fasteners	319,0 kg	120x80x38 cm

1			319,0 kg	

Markierung
Ladungsträger-Nr.:
VP00112170

Anlagen
Lieferschein-Nr.:
51074765

Besondere Hinweise
GR282

Hiermit weisen wir ausdrücklich darauf hin, dass durch unseren Versand beladene Fahrzeuge unbedingt entsprechend der gesetzlichen Vorschriften mit einer Ladungssicherung durch den Fahrer zu versehen sind. Für ungesicherte Ladungen wird im Schadensfall keine Haftung übernommen.

Ware ordnungsgemäß erhalten:

Datum:

Unterschrift
MAX MOTHES GmbH
i.A. Rafael Tobiasz
Versand

Unterschrift:
Name in Druckbuchstaben:
Kfz-Kennzeichen:



MAX MOTHES

einfach verbinden

MAX MOTHES GmbH, Fuggerstraße 9, 41468 Neuss

Lear Mexican Seating Corporation
 San Luis Potosi Plant
 P.O. Box 10859
 El Paso, 79995
 USA

Invoice

delivery address:

CConsortio Industrial Mexicano-SLP
 Calle Très 105 Lote 4 de Autopartes SRL DE CV
 Parque Ind. Millennium
 78395 San Luis Potosi
 Mexico

warehouse:

MAX MOTHES GmbH
 Fuggerstraße 7-9
 41468 Neuss
 Deutschland

reviser: Melanie Pauser
 telephone-no.: +49-2131-7515-121
 fax-no.: +49-2131-7515-260
 mail: M.Pauser@maxmothes.com

customer-no.: 166063
 invoice no.: VR17457627
 date: 2026/09/14

your VAT-No.:
 your order:
 supplier-no.: 6GDA00700

pos.	quantity	unit	item number description	reference	order position	retail price	PU +/- %	amount EUR
			collection by client / Seafreight FCA Neuss 1 euro pallet; dim: 120x80x38 cm gross-weight: 319 kg net-weight: 309 kg Shipment No. 51074765 from 14.09.26 Order No.: VA01242999 Your Order No.: 20260824					
0	80.000	piece	MB0001002263 hexagon flange nut DIN 6927 Kl. 8 A2K	L001158996NCP AA	1	16,10	1000	1.288,00

**MAX MOTHES**

einfach verbinden

Invoice VR17457627

page 2 of 2

date: 2026/09/14

pos.	quantity	unit	item number description	reference	order position	retail price	PU +/- %	amount EUR
			M 6 HS Code: 73181660 Lot No.: P260127008 , Quantity 80.000 piece Country of Origin: P.R. China Sammelliefernummer: WAG1760993					
Total EUR								1.288,00

Payment Terms: 60 days net

Our deliveries and services are only based on our general terms and conditions. These are available on
www.maxmothes.com or can be sent to you upon request.

The delivery date corresponds to the performance date.

Taxfree export shipment

Max Mothes GmbH
Fugger Str. 7 - 9
41468 Neuss
[Signature]
16.09.26

EUROPÄISCHE UNION

BETRIEBSKONTINUITÄT - AUSFUHRBEGLEITDOKUMENT

Versender [13 02] / Ausfuhrer [13 01] MAX MOTHES Fuggerstraße 7-9 41468 Neuss DE		ID DE1809792		ART DER ANMELDUNG Art [11 01] EX		Zus. Art [11 02] A		BKP NRN 26DE29069510983583 	
Empfänger [13 03] CConsorcio Industrial Mexicano-SLP Calle Très 105 Lote 4 de Autopartes Parque Ind. Millennium 78395 San Luis Potosi MX		ID		Vordruck 1 2		Bes. Umst. [11 04] 1		Datum der Annahme [15 08] 14.09.2026 AUSFÜHRZOLLSTELLE [17 02] DE002906	
Anmelder [13 05] MAX MOTHES Fuggerstraße 7-9 41468 Neuss DE Ansprechpartner [13 06 074]		ID DE1809792		Position 1		Packst. mages. 1		Rohmasse [8 04] 319	
Vordruck [13 08] ID		ID		URN [12 09] 51074765VR17457627		ReferenznummerUCR [12 08] 25584		Sicherheit [11 07] 2	
Ausfuhrort [14 07] DE		ID		Warenart [16 11] B Y KR01		Warenart [16 11] B Y KR01		Warenart [16 11] B Y KR01	
Beförderungsroute der Sendung [16 12] DE: MX		ID		Indikatoren Verkehrszweig [19 04] 3		Verkehrszweig an der Grenze [19 03] 1		Grenzübersch. aktives Beförderungsmittel [19 08] 10 SEESCHIFF QU	
zuzählender Beteiligter in der Lieferkette [13 14] ID		ID		Beförderungsmittel beim Abgang [19 05] 30 LKW QU		Grenzübersch. aktives Beförderungsmittel [19 08] 10 SEESCHIFF QU		Container-Indikator [19 06] 0	
VORGESEHENE AUSGANGSZOLLSTELLE [17 01] DE004851		Lager [12 11]		Transitdauer [19 07] 0		Verfallsdatum [19 10] 0		Container-Indikator [19 06] 0	
ÜBERWACHUNGSZOLLSTELLE [17 10] DE004851		GESTELLUNGSZOLLSTELLE [17 09]		Unterlage [12 08] [N380] VR17457627		Unterlage [12 08] [N380] VR17457627		Unterlage [12 08] [N380] VR17457627	
Vorpapier [12 01] 0		ID		Transportdokument [12 05] 0		Transportdokument [12 05] 0		Transportdokument [12 05] 0	
Sonstiger Verweis [12 04] 0		ID		Zusätzliche Informationen [12 02] 0		Zusätzliche Informationen [12 02] 0		Zusätzliche Informationen [12 02] 0	
Bewilligung [12 12] C512 DESDE2900ZA000048		ID		Lieferbedingungen [14 01] FCA,Neuss,DE		Lieferbedingungen [14 01] FCA,Neuss,DE		Lieferbedingungen [14 01] FCA,Neuss,DE	
In Rechnung gestellter Gesamtbetrag [14 05] 0		Rechnungswährung [14 05] D		Beförderungskosten (Zahlungsart) [14 02] D		Beförderungskosten (Zahlungsart) [14 02] D		Beförderungskosten (Zahlungsart) [14 02] D	
Umrrechnungskurs [14 09] 11		ID		Art des Geschäfts [86 05] 11		Art des Geschäfts [86 05] 11		Art des Geschäfts [86 05] 11	
Zahlungsrückschub [12 00] 0		ID		Interne Währungseinheit [14 17] 0		Interne Währungseinheit [14 17] 0		Interne Währungseinheit [14 17] 0	
PRÜFUNG DURCH DIE AUSFUHRZOLLSTELLE Ergebnis: Ausgeschickte Verschlässe: Anzahl: Zeichen: Datum der Übertragung zur Ausfuhr:				PRÜFUNG DURCH DIE AUSGANGSZOLLSTELLE Ankunftsdatum: Prüfung der Verschlässe: Anmerkungen: Datum der Freigabe zum Ausgang:					

EUROPÄISCHE UNION

**BETRIEBSKONTINUITÄT -
AUSFUHRBEGLEITDOKUMENT -
LISTE DER POSITIONEN**

Vordrucke

2 | 2

BKP MRN

26DE290695109835B3



Positionsnummer [11 03]		Referenznummer/UCR [12 08]		Warenbezeichnung [18 05]	
Versender [13 02]		Art und Anzahl der Pakete, Versandzeichen [18 06]		CUS-Nummer [19 08]	UN-Nummer [18 07 055]
Empfänger [13 03]		Warennummer [18 07]		ARRC-ZC [18 09 059]	Nat. Zusatzcode [18 09 060]
Zusätzlicher Beteiligter in der Lieferkette [13 14]		Statistischer Wert [99 06]		Menge bes. Maß [18 02]	Art des Geschäfts [99 05]
Ausfuhrland [16 07]	Bestimmungsland [16 03]	Reinmasse [18 04]		Eigenmasse (kg) [18 01]	
Ursprungsland [16 08]	Versendungsregion [16 10]	Bezugspos. Verfahren [11 09 00]		Vorh. Verf. [11 09 002]	Zusätzl. Verf. [11 10]
Beförderungskosten (Zahlungsart) [14 02]		Zölle und Abgaben [14 03]		Gesamtabgabebetrag [14 16]	
Bewertung [12 12]		Unterlagen [12 03]			
Vorspapier [12 01]					
Sonstiger Verweis [12 04]		Zusätzliche Informationen [12 02]			
†		Sicherungsmittel aus Eisen oder Stahl			
		PX 1 1			
		73181660			
DE	MX	319		309	
DE	05	10		00	

PACKLISTE

14.09.2026

Hersteller MAX MOTHEs GmbH
 Fuggerstr. 9
 41468 Neuss
 DEUTSCHLAND

Empfänger CConsortio Industrial Mexicano-SLP
 Calle Très 105 Lote 4 de Autopartes
 Parque Ind. Millennium
 78395 San Luis Potosi
 MEXICO

Spediteur ABHOLER
 DEUTSCHLAND

Referenz Nr.: LN26014857

1 Einwegpalette	VP00112170/1	Gesamt Brutto Abmessungen	319,000 kg 120 x 80 x 38 cm
-> 1 Karton	/1	Gesamt Brutto Gesamt Netto	309,000 kg 309,000 kg
MB0001002263	hexagon flange nut Ihre Artikelnr. L001158996NCPAA Ihre Artikelbez. hexagon flange nut Auftrag Nr. VA01242999, Pos. 00100 Lieferschein Nr. 51074765, Pos. 00100 Bestellung Nr. 20260824	80000 ST	309,000 kg

Gesamtzahl Packstücke:	1 Stück
Gesamtvolumen:	0,364800 m³
Gesamt-Brutto:	319,000 kg
Gesamt-Netto:	309,000 kg

MAX MOTHEs GmbH
 i.A. Rafael Tobiasz
 Versand

Export-Abteilung



MAX MOTHERS

einfach verbinden

MAX MOTHERS GmbH, Fuggerstraße 9, 41468 Neuss

CConsorcio Industrial Mexicano-SLP
Calle Très 105 Lote 4 de Autopartes SRL DE CV
Parque Ind. Millennium
78395 San Luis Potosi
Mexico

reviser: Melanie Pauser
telephone-no.: +49-2131-7515-121
fax-no.: +49-2131-7515-260
mail: M.Pauser@maxmothes.com

customer-no.: 166063
delivery note: 51074765
date: 2026/09/14

your order: 20260824
your VAT-No.:
location:
shipment-no.: 51074765
order-no.: VA01242999

Delivery Note

bill to:
Lear Mexican Seating Corporation
San Luis Potosi Plant
P.O. Box 10859
El Paso, 79995
USA

distribution warehouse:

MAX MOTHERS GmbH
Fuggerstraße 7-9
41468 Neuss
Deutschland



51074765

supplier-no.: 6GDA00700
delivery terms: FCA - frei Frachtführer - free carrier
delivery service: Abholer Abholung

3430

pos.	Max Mothes no. ref.no.	description	quantity unit	weight	backl.
1	MB0001002263 L001158996NCPAA	hexagon flange nut DIN 6927 Kl. 8 A2K M 6 HS Code: 73181660 Country of Origin: P.R. China Lot No.: P260127008 , Quantity 80.000 piece	80.000 piece	328,00	



einfach verbinden

Delivery Note 51074765

page 2 of 2

date: 2026/09/14

pos.	Max Mothes no. ref.no.	description	quantity	unit	weight	backl.
	KT KT	Cardboard box		16 piece	0,16	
	EP EP	HS Code: 48195000 Country of Origin: Unknown origin One-way-pallet		1 piece	7,50	
		HS Code: 44152020 Country of Origin: Italy				

total weight: 335,660 kg

Please check shipment immediately after reception and receipt any possible damages.

Complaints can only be considered immediately after reception of the shipment.

Our deliveries and services are only based on our general terms and conditions.

These are available on www.maxmothes.com or can be sent to you upon request.

Shipper
LINKINPARTNER EUROPE GMBH
HAMMERBROOKSTR. 90,
20097 HAMBURG
GERMANY
VAT NR.: DE267178901

B/L No.
ALM259622



SACO SHIPPING LINE LTD

Consigned to order of
EUROPARTNERS MEXICO S.A. DE C.V.
AVENIDA REVOLUCION #649
COLONIA JARDIN ESPANOL
MONTERREY, NUEVO LEON
MEXICO 64820
RFC: EME020824U4A

Notify Party and address
EUROPARTNERS MEXICO S.A. DE C.V.
TAX ID: EME020824U4A
PH: +52(81)8220 2630
FX: +52(81)8342 8310
RFC: EME020824U4A

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

6/09/HAM/168043

Copy

		Place of receipt HAMBURG CFS	
Ocean vessel MAERSK FELIXSTOWE 638W		Port of loading BREMERHAVEN	
Port of discharge ALTAMIRA		Place of delivery ALTAMIRA CFS	Freight payable ALTAMIRA
			Number of original Bills of Lading 0/ZERO
Marks and Nos. ALM259622 CCONSORCIO INDUST RIAL MEXICANO-SLP , MEXICO DN: 51074765 STOWED INTO CONTAINER NO.: HASU4321900	Quantity of Goods 1 PALLET	Description of Goods AUTOMOTIVE PARTS HS CODE: 73181660 INVOICE: VR17457627	Said to contain
			Gross weight, kg. 319,000
			Measurement, m ³ 0,384
TOTAL		1 PALLET	319,000 KGS
			0,384 CBM

SEAL : B199134

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
CHRISTIAN.VEGA@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 25.09.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wolkämmereistraße 1
21107 Hamburg
Germany



As agent only for SACO SHIPPING LINE LIMITED LIMASSOL



EUROPÄISCHE UNION

BETRIEBSKONTINUITÄT - AUSFUHRBEGLEITDOKUMENT

Ergebnis:

Angebrachte Verschlüsse: Anzahl:

Zeichen:

Datum der Überlassung zur Ausfuhr:

Ankunftsdatum:

Prüfung der Verschlüsse:

Anmerkungen:

Datum der Freigabe zum Ausgang:

EUROPÄISCHE UNION

BETRIEBSKONTINUITÄT - AUSFUHRBEGLEITDOKUMENT - LISTE DER POSITIONEN		Vordrucke 2 2	BKP MRN 26DE232595185534B8 	
Positionsnummer [11 03] Referenznummer/UCR [12 08]		Warenbezeichnung [18 05]		
Versender [13 02]		Art und Anzahl der Pakete, Versandzeichen [18 06]		CUS-Nummer [18 08] UN-Nummer [18 07 055]
Empfänger [13 03]		Warennummer [18 09]		TARIC-ZC [18 09 059] Nat. Zusatzcode [18 09 060]
Zusätzlicher Beteiligter in der Lieferkette [13 14]		Statistischer Wert [99 06]		Menge bes. Maß [18 02] Art des Geschäfts [99 05]
Ausfuhrland [16 07]	Bestimmungsland [16 03]	Rohmasse [18 04]		Eigenmasse (kg) [18 01]
Ursprungsland [16 08]	Versendungsregion [16 10]	Beantragtes Verfahren [11 09 001]		Vorh. Verf. [11 09 002] Zusätzl. Verf. [11 10]
Beförderungskosten (Zahlungsart) [14 02]		Zölle und Abgaben [14 03]		Gesamtabgabebetrag [14 16]
Bewilligung [12 12]		Unterlagen [12 03]		
Vorpapier [12 01]				
Sonstiger Verweis [12 04]		Zusätzliche Informationen [12 02]		
1		Teile für Turboladerkompressoren - Hier: Verdichterlaufräder Part-Nr. 9463-070-0082		
		PK 1 .		
		84149000		
DE	MX	184,2		112,5
DE	03	10		00
[Y901]				

Shipper
LINKINPARTNER EUROPE GMBH
HAMMERBROOKSTR. 90,
20097 HAMBURG
GERMANY
VAT NR.: DE267178901

B/L No.
ALM259628



SACO SHIPPING LINE LTD

Consigned to order of
EUROPARTNERS MEXICO S.A. DE C.V.
AVENIDA REVOLUCION #649
COLONIA JARDIN ESPANOL
MONTERREY, NUEVO LEON
MEXICO 64820
RFC: EME020824U4A

Notify Party and address
EUROPARTNERS MEXICO S.A. DE C.V.
TAX ID: EME020824U4A
PH: +52(81)8220 2630
FX: +52(81)8342 8310
RFC: EME020824U4A

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

6/09/HAM/168045

Copy

		Place of receipt HAMBURG CFS	
Ocean vessel MAERSK FELIXSTOWE 638W		Port of loading BREMERHAVEN	
Port of discharge ALTAMIRA		Place of delivery ALTAMIRA CFS	Freight payable ALTAMIRA
			Number of original Bills of Lading 0/ZERO
Marks and Nos. ALM259628 BMTS TECHNOLOGY S. DE RL DE C.V. LS00419604 STOWED INTO CONTAINER NO.: HASU4321900	Quantity of Goods 1 PALLET	Description of Goods COMPRESSOR WHEEL INVOICE: 95006844 HS CODE:841490	Said to contain Gross weight, kg. 184,200 Measurement, m ³ 1,306

SEAL : B199134

TOTAL **1 PALLET** **184,200 KGS** **1,306 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.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA, C.P. 06700 MEXICO D.F.
TEL:005255146915, FAX:005252087989
CHRISTIAN.VEGA@INTERTEAM.COM.MX

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 25.09.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
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
UPS SCS GMBH & CO. KG
AS AGENT OF UPS EUROPE SRL
ROENTGENSTRASSE 28
HAMBURG HH 22335 GERMANY
EORI+DE5522145

B/L No.
ALM259643



SACO SHIPPING LINE LTD

Consigned to order of

RFC: UME960604PZ7 UPS SCS MEXICO SA DE
CV AS AGENT FOR UPS OCEAN FREIGHT
SERVICES
EUGENIA NO. 189 COL NARVARTE ORIENTE
CIUDAD DE MEXICO MEX CP 03020 MEXICO
RFC+12346646

Notify Party and address

RFC: UME960604PZ7 UPS SCS MEXICO SA DE
CV AS AGENT FOR UPS OCEAN FREIGHT
SERVICES
EUGENIA NO. 189 COL NARVARTE ORIENTE
CIUDAD DE MEXICO MEX CP 03020 MEXICO
RFC+12346646

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

6/09/HAM/168047

Copy

		Place of receipt HAMBURG CFS	
Ocean vessel MAERSK FELIXSTOWE 638W		Port of loading BREMERHAVEN	
Port of discharge ALTAMIRA	Place of delivery ALTAMIRA CFS		Freight payable HAMBURG
		Number of original Bills of Lading 0/ZERO	
Marks and Nos. ALM259643 SN: 7157976243 AV. ISODRO LOPEZ ZERTUCHE SALTILLO MEXICO REF 85398327, 85398326 NAC UPS - SPATIV	Quantity of Goods 5 PALLETS	Description of Goods SEALS FOR AUTOMOTIVE AS PER INVOICE# 85398326, 85398327 HTS: 392690 LOADED ON 5 PALLETS SCAC:UEUR AMS REF: 7157976243 **HSCODE: 392690**	Said to contain Gross weight, kg. 551,970 Measurement, m ³ 4,617

STOWED INTO CONTAINER NO.: HASU4321900

SEAL : B199134

TOTAL **5 PALLETS** **551,970 KGS** **4,617 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.
SERVICIOS INTERNACIONALS DE
COMERCIO, COLIMA 114 DESPACHO 201,
COLONIA ROMA,C.P. 06700 MEXICO D.F.
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HAMBURG 25.09.2026

Signed on behalf of the Carrier SACO SHIPPING LINE LIMITED

SACO Shipping GmbH
Wollkämmerstraße 1
21107 Hamburg
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