

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

1.1. Product identifier

Product form : Article
Product name : Mastervolt GEL and AGM batteries
Other means of identification :

Product ID	Product Description
61002600	MV 6/260 Ah AGM Battery
61004000	MV 6/400 Ah AGM Battery
62000550	MV 12/55 Ah AGM Battery
62000700	MV 12/70 Ah AGM Battery
62000900	MV 12/90 Ah AGM Battery
62001300	MV 12/130 Ah AGM Battery
62001600	MV 12/160 Ah AGM Battery
62002250	MV 12/225 Ah AGM Battery
62002700	MV 12/270 Ah AGM Battery
63001500	MV SL12/150 Ah AGM Battery
63001850	MV SL12/185 Ah AGM Battery
63001851	MV SL12/200 Ah AGM Battery
64000250	MVG 12/25 Ah Gel Battery
64000550	MVG 12/55 Ah Gel Battery
64000850	MVG 12/85 Ah Gel Battery
64001200	MVG 12/120 Ah Gel Battery
64001400	MVG 12/140 Ah Gel Battery
64002000	MVG 12/200 Ah Gel Battery
68000280	MVSV 280 2-Volt Gel Battery
68000420	MVSV 420 2-Volt Gel Battery
68000500	MVSV 500 2-Volt Gel Battery
68000580	MVSV 580 2-Volt Gel Battery
68000750	MVSV 750 2-Volt Gel Battery
68001000	MVSV 1000 2-Volt Gel Battery
68001250	MVSV 1250 2-Volt Gel Battery
68001500	MVSV 1500 2-Volt Gel Battery
68001651	MVSV 1650 2-Volt Gel Battery Compact
68002200	MVSV 2200 2-Volt Gel Battery
68002700	MVSV 2700 2-Volt Gel Battery

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
Use of the substance/mixture : Electrical batteries and accumulators

1.2.2. Uses advised against

No additional information available

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

1.3. Details of the supplier of the safety data sheet

Manufacturer

EU (EMEA):
Mastervolt BV
Snijdersbergweg 93,
Crossing
1105AN Amsterdam
The Netherlands
Tel INT.: +31 20 3422100
info@mastervolt.com

USA (America's):
Power Products, LLC
N85 W12545 Westbrook
Menomonee Falls, WI 53051
United States of America
Tel. +1-262-293-0600

Manufacturer

Advanced Systems Group US
N85 W12545 Westbrook Crossing
WI 53051 Menomonee Falls
United States

Manufacturer

Advanced Systems Group APAC
APAC 42 Apollo Drive Rosedale
0632 Auckland
New Zealand

1.4. Emergency telephone number

Emergency number : EU Tel INT.: +31 20 3422100 USA Tel INT.: +1 262-293-0600

Country	Organisation/Company	Address	Emergency number	Comment
Netherlands	Nationaal Vergiftigingen Informatie Centrum (NVIC)	Huispostnummer Q03.2.315 Postbus 85500 3508 GA Utrecht	+31 88 755 80 00	Only for the purpose of informing medical personnel in cases of acute intoxications (24 hours a day, 7 days a week)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Reproductive toxicity, Category 1A H360FD
Reproductive toxicity, Additional category, Effects on or via lactation H362
Specific target organ toxicity – Repeated exposure, Category 1 H372
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No hazards in case of an intact battery and using according to the instructions. The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful.

2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.
No labelling applicable

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
lead massive: [particle diameter ≥ 1 mm] (7439-92-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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Component	
lead massive: [particle diameter ≥ 1 mm](7439-92-1)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
lead massive: [particle diameter ≥ 1 mm] substance listed as REACH Candidate (Lead)	CAS-No.: 7439-92-1 EC-No.: 231-100-4 EC Index-No.: 082-014-00-7 REACH-no: 01-2119513221-59	50 – 70	Repr. 1A, H360FD Lact., H362 STOT RE 1, H372
Acids (Note B)	CAS-No.: 7664-93-9 EC-No.: 231-639-5 EC Index-No.: 016-020-00-8 REACH-no: 01-2119458838-20	5 – 15	Skin Corr. 1A, H314
Plastic Container / Plastic Parts	-	5 – 10	Not classified

Specific concentration limits:

Name	Product identifier	Specific concentration limits (Conc. (% w/w))
Acids	CAS-No.: 7664-93-9 EC-No.: 231-639-5 EC Index-No.: 016-020-00-8 REACH-no: 01-2119458838-20	($5 \leq C < 15$) Eye Irrit. 2, H319 ($5 \leq C < 15$) Skin Irrit. 2, H315 ($15 \leq C < 100$) Skin Corr. 1A, H314

Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: '... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: This information is of relevance only if the battery is broken and this results in a direct contact with the ingredients. Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand. Seek medical attention immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

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First-aid measures after skin contact	: Remove contaminated clothes. Wash skin with plenty of water. immediate medical advice. Get medical advice if skin irritation persists.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. immediate medical advice.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. immediate medical advice.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: Inhalation of material from a sealed battery is not an expected exposure route. Vapors or mists from a ruptured battery may cause respiratory irritation.
Symptoms/effects after skin contact	: Contact between the battery and skin will not cause any harm. Skin contact with positive and negative terminals of high voltages may cause burns to the skin. Skin contact with a ruptured or shorted battery can cause chemical burns or irritation upon contact with the skin.
Symptoms/effects after eye contact	: Contact between the battery and eye will not cause any harm. Eye contact with the contents of a ruptured battery can cause severe irritation to the eye.
Symptoms/effects after ingestion	: Swallowing of material from a sealed battery is not an expected exposure route. Swallowing mists from a ruptured battery may cause respiratory irritation, chemical burns of the mouth and gastrointestinal tract irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry powder. Carbon dioxide.
Unsuitable extinguishing media	: Water.

5.2. Special hazards arising from the substance or mixture

Explosion hazard	: Explosion risk in case of fire.
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO ₂).

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. acid-resistant protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: If the battery material is released, remove personnel from the area until fumes dissipate. Ventilate the area to remove the hazardous gases. Leave the area and allow the batteries to cool. Avoid skin and eye contact or inhalation of vapors.
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6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Do not allow to enter drains or water courses.

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6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Sweep or shovel spills into appropriate container for disposal.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful. Concerning personal protective equipment to use, see section 8. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Charging:
There is a possible risk of electric shock from charging equipment and from strings of series connected batteries, whether or not being charged. Shut-off power to chargers whenever not in use and before detachment of any circuit connections. Batteries being charged will generate and release flammable hydrogen gas. Charging space should be ventilated. Keep battery vent caps in position.
- Storage conditions : Store under roof in cool ambiance - charged lead-acid batteries do not freeze up to -50°C; prevent short circuits. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame. Keep container tightly closed and dry. Ensure that all local regulations regarding handling and storage are followed.
- Heat and ignition sources : Keep away from heat and direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

lead massive: [particle diameter ≥ 1 mm] (7439-92-1)	
EU - Biological Limit Value (BLV)	
Local name	Lead and its inorganic compounds
BLV	30 µg/100ml Parameter: Pb
Regulatory reference	SCOEL List of recommended health-based BLVs and BGVs
Netherlands - Occupational Exposure Limits	
Local name	Lood
Grenswaarde TGG 8H (mg/m³)	0,15 mg/m³ (en anorganische loodverbindingen)
Regulatory reference	Arbeidsomstandighedenregeling 2023
Acids (7664-93-9)	
Netherlands - Occupational Exposure Limits	
Local name	Zwavelzuur

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Acids (7664-93-9)

Grenswaarde TGG 8H (mg/m ³)	0,05 mg/m ³ (nevel), gedefinieerd als de thoracale fractie
Grenswaarde TGG 15MIN (mg/m ³)	0,1 mg/m ³
Remark	(kankerverwekkende stoff; gedefinieerd als de thoracale fractie)
Regulatory reference	Arbeidsomstandighedenregeling 2023

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. hazards in case of damaged / ruptured battery.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Protective clothing. Safety glasses.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. DIN EN 166

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. CEN : EN 340; EN 369; EN 465. EN 13034

Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent)

Hand protection

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Polyvinylchloride (PVC), Nitrile rubber (NBR)	6 (> 480 minutes)	≥0.11		ISO 374-1

Other skin protection

Materials for protective clothing:

Acid-resistant clothing. Safety boots

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8.2.2.3. Respiratory protection

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of inadequate ventilation wear respiratory protection. EN 143

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Exposure to sulphuric acid and acid mist might occur during charging. Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Grey.
Appearance	: batteries and accumulators.
Odour	: odourless.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Metals.

10.4. Conditions to avoid

The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful. Keep away from heat and direct sunlight.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Explosion risks of vapours.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Acids (7664-93-9)

LD50 oral	2140 mg/kg bodyweight
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: May damage fertility. May damage the unborn child. May cause harm to breast-fed children.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.

lead massive: [particle diameter $\geq$ 1 mm] (7439-92-1)

STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

12.2. Persistence and degradability

No additional information available

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12.3. Bioaccumulative potential

Acids (7664-93-9)

Partition coefficient n-octanol/water (Log Pow)	-2,2
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component

lead massive: [particle diameter ≥ 1 mm] (7439-92-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
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12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Ecology - waste materials	: Avoid release to the environment.
European List of Waste (LoW, EC 2150/2002)	: 16 06 00 - batteries and accumulators
HP Code	: HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration. HP8 - "Corrosive:" waste which on application can cause skin corrosion.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 2800	UN 2800	UN 2800	UN 2800	UN 2800
14.2. UN proper shipping name				
BATTERIES, WET, NON-SPILLABLE (CONTAINS : Sulphuric acid)	BATTERIES, WET, NON-SPILLABLE (CONTAINS : Sulphuric acid)	BATTERIES, WET, NON-SPILLABLE (CONTAINS : Sulphuric acid)	BATTERIES, WET, NON-SPILLABLE (CONTAINS : Sulphuric acid)	BATTERIES, WET, NON-SPILLABLE (CONTAINS : Sulphuric acid)
Transport document description				
UN 2800 BATTERIES, WET, NON-SPILLABLE (CONTAINS : Sulphuric acid), 8, (E)	UN 2800 BATTERIES, WET, NON-SPILLABLE (CONTAINS : Sulphuric acid), 8	UN 2800 BATTERIES, WET, NON-SPILLABLE (CONTAINS : Sulphuric acid), 8	UN 2800 BATTERIES, WET, NON-SPILLABLE (CONTAINS : Sulphuric acid), 8	UN 2800 BATTERIES, WET, NON-SPILLABLE (CONTAINS : Sulphuric acid), 8
14.3. Transport hazard class(es)				
8	8	8	8	8

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ADR	IMDG	IATA	ADN	RID
				

14.4. Packing group

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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14.5. Environmental hazards

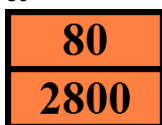
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
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No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: C11
Special provisions (ADR)	: 238, 295, 598
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P003, P801a
Special packing provisions (ADR)	: PP16
Transport category (ADR)	: 3
Special provisions for carriage - Bulk (ADR)	: VC1, VC2, AP8
Hazard identification number (Kemler No.)	: 80
Orange plates	:



Tunnel restriction code (ADR)	: E
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Transport by sea

Special provisions (IMDG)	: 29, 238
Packing instructions (IMDG)	: P003
Special packing provisions (IMDG)	: PP16
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Metal plates immersed in gelled alkaline or acid electrolyte in a glass, hard rubber or plastics receptacle of a non-spillable type. When electrically charged, may cause fire through short-circuiting of terminals. Cause burns to skin, eyes and mucous membranes.

Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: 872
PCA max net quantity (IATA)	: No limit
CAO packing instructions (IATA)	: 872
CAO max net quantity (IATA)	: No limit
Special provisions (IATA)	: A48, A67, A164, A183
ERG code (IATA)	: 8L

Inland waterway transport

Classification code (ADN)	: C11
Special provisions (ADN)	: 238, 295, 598
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E0

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Equipment required (ADN) : PP, EP
Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : C11
Special provisions (RID) : 238, 295, 598
Limited quantities (RID) : 1L
Excepted quantities (RID) : E0
Packing instructions (RID) : P003, P801a
Special packing provisions (RID) : PP16
Transport category (RID) : 3
Special provisions for carriage – Bulk (RID) : VC1, VC2, AP8
Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 80

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Other information, restriction and prohibition regulations : In accordance with EU Battery Directive 2006/66 / EC.

REACH Annex XVII (Restriction List)

Not applicable.

REACH Annex XIV (Authorisation List)

Not applicable.

REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List in concentrations above or equal to 0.1 %: lead massive: [particle diameter $\geq$ 1 mm] (EC 231-100-4, CAS 7439-92-1)

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

ANNEX I RESTRICTED EXPLOSIVES PRECURSORS

List of substances which shall not be made available to, or introduced, possessed or used by, members of the general public, whether on their own or in mixtures or substances that include those substances, unless the concentration is equal to or lower than the limit values set out in column 2, and for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

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Name	CAS-No.	Limit value	Upper limit value for licensing under Article 5(3)	Combined Nomenclature (CN) code for a separate chemically defined compound meeting the requirements of Note 1 to Chapter 28 or 29 of the CN, respectively	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Sulphuric acid	7664-93-9	15 % w/w	40 % w/w	ex 2807 00 00	ex 3824 99 96

Please see https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives_en

Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

Name	CN designation	CAS-No.	CN code	Category	Threshold	Annex
Sulphuric acid		7664-93-9	2807 00 00	Category 3		Annex I

15.1.2. National regulations

Netherlands

ABM category	: Z(2) - biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/reprotoxicity/bioaccumulative potential or toxicity)
SZW-lijst van kankerverwekkende stoffen	: Sulphuric acid is listed
SZW-lijst van mutagene stoffen	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: Lead is listed
SZW-lijst van reprotoxische stoffen –	: Lead is listed
Vruchtbaarheid	
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: Lead is listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes	Added	
	Revision date	Added	
1.1	Other means of identification	Added	
2.1	Adverse physicochemical, human health and environmental effects	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added	
2.2	No labelling obligation	Added	
2.2	Signal word (CLP)	Added	
2.2	Hazard pictograms (CLP)	Added	

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Indication of changes			
Section	Changed item	Change	Comments
2.2	Precautionary statements (CLP)	Added	
2.2	Hazard statements (CLP)	Added	
7.2	Storage conditions	Modified	
11.1	ATE dust/mist	Added	
11.1	ATE oral	Added	
13.1	H code	Added	

Abbreviations and acronyms:	
SDS	Safety Data Sheet
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
LC50	Median lethal concentration
LD50	Median lethal dose
CAS	CAS (Chemical Abstracts Service) number
EG-nr	EINECS- en ELINCS-number
EINECS	European Inventory of Existing Commercial Substances
OEL	Occupational Exposure Limit

Data sources

Other information

: Supplier's safety documents.

: Avoid mechanical or electrical abuse. DO NOT short circuit or install incorrectly. Install and use a Lead Acid Battery in accordance with the instructions provided in the user's manual.

REACH Disclaimer:

This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:	
EUH210	Safety data sheet available on request.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2

Mastervolt GEL and AGM batteries

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H360FD	May damage fertility. May damage the unborn child.
H362	May cause harm to breast-fed children.
H372	Causes damage to organs through prolonged or repeated exposure.
Lact.	Reproductive toxicity, Additional category, Effects on or via lactation
Repr. 1A	Reproductive toxicity, Category 1A
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Repr. 1A	H360FD	Calculation method
Lact.	H362	Calculation method
STOT RE 1	H372	Calculation method

Safety Data Sheet applicable for regions : NL - Netherlands

The classification complies with : ATP 12

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