

SDS Service Summary

No. SHAEC22005206801

Date: 9 Jan 2023

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SGS Job No.	:	TP22-010373
Applicant	:	XINXIANG BOYAN POWER SUPPLY CO.,LTD.
Product Name	:	Ni-MH Rechargeable Battery
Client Reference Information	:	See Remark
Composition/Ingredient of product (as per applicant submission)	:	See section 3 Composition/information on ingredients on the SDS
Job Receiving Date	:	26 Dec 2022
Last Information Date	:	06 Jan 2023
SDS Preparation Period	:	26 Dec 2022-06 Jan 2023
Service Requested	:	Preparation of Safety Data Sheet (SDS) for the product with submitted information, with calculation of the classification and labeling requirement according to the submitted composition and European Commission Regulation (EC) No 1272/2008.
Summary	:	As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2020/878, and is provided per attached.

Disclaimer

This Safety Data Sheet (SDS) is provided to applicant to fulfill European Commission Regulation (EC) No 1907/2006 and communicate the hazard information of chemicals through the supply chain to ensure safe use. It is not a test report or a certificate ensuring the safety of a product.

SGS has consolidated product information based on documents provided by Applicant (i.e. product name, the supplier details, product composition, available physical data, etc) without independent verification from SGS. The information is provided without any warranty, express or implied, regarding its correctness.



Cathy Cai
Project Engineer

Remark:**NI-MH Cylindrical Rechargeable Battery:**

NI-MH:AA100mAh AA150mAh AA200mAh AA250mAh AA300mAh AA350mAh AA400mAh AA450mAh
AA500mAh AA600mAh AA700mAh AA800mAh AA900mAh AA1000mAh AA1100mAh AA1200mAh
AA1300mAh AA1400mAh AA1500mAh AA1600mAh AA1700mAh AA1800mAh AA1900mAh AA2000mAh
AA2100mAh AA2200mAh AA2300mAh AA2400mAh AA2500mAh AA2600mAh

NI-MH: AAA100mAh AAA150mAh AAA200mAh AAA250mAh AAA300mAh AAA350mAh AAA400mAh

AAA450mAh AAA500mAh AAA600mAh AAA700mAh AAA800mAh AAA900mAh AAA1000mAh

NI-MH: 1/3AAA80mAh 1/3AAA100mAh 1/3AAA120mAh 1/3AAA150mAh 1/3AAA180mAh 1/3AAA200mAh

NI-MH: 2/3AA100mAh 2/3AA150mAh 2/3AA200mAh 2/3AA250mAh 2/3AA300mAh 2/3AA350mAh

2/3AA400mAh 2/3AA450mAh 2/3AA500mAh 2/3AA550mAh 2/3AA600mAh

NI-MH:2/3AAA100mAh 2/3AAA150mAh 2/3AAA200mAh 2/3AAA250mAh 2/3AAA300mAh 2/3AAA350mAh

2/3AAA400mAh 2/3AAA450mAh 2/3AAA500mAh 2/3AAA550mAh 2/3AAA600mAh

NI-MH:SC600mAh SC700mAh SC800mAh SC900mAh SC1000mAh SC1100mAh SC1200mAh

SC1300mAh SC1400mAh SC1500mAh SC1600mAh SC1700mAh SC1800mAh SC1900mAh

SC2000mAh SC2100mAh SC2200mAh SC2300mAh SC2400mAh SC2500mAh SC2600mAh

SC2700mAh SC2800mAh SC2900mAh SC3000mAh

NI-MH:C1500mAh C1800mAh C2000mAh C2500mAh C3000mAh C3500mAh C4000mAh

NI-MH: D3000mAh D3500mAh D4000mAh D4500mAh D5000mAh D6000mAh D7000mAh D8000mAh

NI-MH Button Rechargeable Battery:

NI-MH:40mAh 60mAh 80mAh

Safety data sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 06.01.2023

Version number 1

Revision: 29.12.2022

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

- **1.1 Product identifier**
- **Trade name:** Ni-MH Rechargeable Battery
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:**
Solar lights, LED emergency lights, cordless telephones, walkmans, Electronic tools and so on.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**
XINXIANG BOYAN POWER SUPPLY CO., LTD.
XinChaoDaGuanYuan, HuiXian City Henan, China
Tel: 15090409652
E-mail: 15783825@QQ.COM
- **Only Representative / other EU contact point:** Not available
- **1.4 Emergency telephone number:**
IRELAND
National Poisons Information Centre
Tel: +353 (01) 809 2566 (For healthcare professionals)
+353 (01) 809 2166 (For public; 8am - 10pm)
- **1.5 Reference Number:** TP22-010373; SHAEC22005206801
- **1.6 Remark:**
This product is likely to be classified as article with substances not intended to be released and is out of scope of a SDS as set out in Regulation (EC) No 1907/2006. This SDS is generated for applicant's reference only.

SECTION 2: Hazards identification

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



GHS08 health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Muta. 2 H341 Suspected of causing genetic defects.

Carc. 1A H350i May cause cancer by inhalation.

Repr. 1B H360D May damage the unborn child.

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.



GHS05 corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Sens. 1 H317 May cause an allergic skin reaction.

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- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of Regulation (EC) No. 1272/2008.
- **Classification system:**
The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.

· 2.2 Label elements

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



GHS05 GHS07 GHS08 GHS09

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
nickel dihydroxide
potassium hydroxide
lanthanum, compound with nickel (1:5)
sodium hydroxide
- **Hazard statements**
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H341 Suspected of causing genetic defects.
H350i May cause cancer by inhalation.
H360D May damage the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P260 Do not breathe dusts or mists.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P321 Specific treatment (see on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**
Restricted to professional users.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable*
- **vPvB:** *Not applicable*
- **Determination of endocrine-disrupting properties** *Not applicable*

EU

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SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description:

Mixture of substances listed below with nonhazardous additions.

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

· Composition:

CAS: 1310-58-3 EINECS: 215-181-3 Index number: 019-002-00-8	potassium hydroxide ----- ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1A; H314: $C \geq 5\%$ Skin Corr. 1B; H314: $2\% \leq C < 5\%$ Skin Irrit. 2; H315: $0.5\% \leq C < 2\%$ Eye Irrit. 2; H319: $0.5\% \leq C < 2\%$ Substance with a Union workplace exposure limit	31.6%
CAS: 12054-48-7 EINECS: 235-008-5 Index number: 028-008-00-X	nickel dihydroxide ----- ⚠ Resp. Sens. 1, H334; Muta. 2, H341; Carc. 1A, H350i; Repr. 1B, H360D; STOT RE 1, H372; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Skin Sens. 1, H317 Substance with a Union workplace exposure limit	20.0%
CAS: 7732-18-5 EINECS: 231-791-2	Water	18.3%
CAS: 1345-25-1 EINECS: 215-721-8	iron oxide Substance with a Union workplace exposure limit	16.7%
CAS: 12196-72-4 EINECS: 235-372-5	lanthanum, compound with nickel (1:5) ----- ⚠ Water-react. 1, H260; ⚠ Carc. 2, H351; STOT RE 1, H372; ⚠ Skin Sens. 1, H317	8.0%
CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6	sodium hydroxide ----- ⚠ Skin Corr. 1A, H314 Specific concentration limits: Skin Corr. 1A; H314: $C \geq 5\%$ Skin Corr. 1B; H314: $2\% \leq C < 5\%$ Skin Irrit. 2; H315: $0.5\% \leq C < 2\%$ Eye Irrit. 2; H319: $0.5\% \leq C < 2\%$ Substance with a Union workplace exposure limit	2.8%
CAS: 7782-42-5 EINECS: 231-955-3	Graphite Substance with a Union workplace exposure limit	2.6%

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General description:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Supply fresh air and to be sure call for a doctor.

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

· After skin contact: Immediately wash with water and soap and rinse thoroughly.

· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing:

Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

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- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Mouth respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Mouth respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Keep away from ignition sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Thorough dedusting.
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Open and handle receptacle with care.
Keep away from heat and direct sunlight.
Avoid contact with skin and eyes.
Prevent short cut and movement which could lead to short circuits.
Do not short circuit, puncture or crush.

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For the general occupational hygienic measures refer to section 8.

· **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

· **7.2 Conditions for safe storage, including any incompatibilities:**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Store only in the original receptacle.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from water.

Store away from ignition source.

· **Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

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

1310-58-3 potassium hydroxide

VLEP (France) Short-term value: 2 mg/m³

OEL (Ireland) Short-term value: 2 mg/m³

12054-48-7 nickel dihydroxide

BOELV (EU) Long-term value: 0.1* mg/m³
as Ni; sens. dermal/resp. *inhalable

AGW (Germany) Long-term value: 0.030E mg/m³
8(II);AGS, Sh, Y, 10, 24, 31

TRGS 910 (Germany) Short-term value: 0.006 (A) mg/m³
Long-term value: 0.006 (A) mg/m³
8, Konzentrationen beziehen sich auf Ni-Gehalt

VLEP (France) Long-term value: 1 mg/m³
C1A, M2, R1B

OEL (Ireland) Long-term value: 0.5 mg/m³
as Ni

1345-25-1 iron oxide

AGW (Germany) Long-term value: 1.25* 10** mg/m³
2(II);*alveolengängig**einatembar; AGS, DFG, Y

OEL (Ireland) Short-term value: 2 mg/m³
Long-term value: 1 mg/m³
as Fe

1310-73-2 sodium hydroxide

MAK (Germany) vgl.Abschn.IIb

VLEP (France) Long-term value: 2 mg/m³

OEL (Ireland) Short-term value: 2 mg/m³

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7782-42-5 Graphite

AGW (Germany)	Long-term value: $1.25 \cdot 10^{**} \text{ mg/m}^3$ 2(II); *alveolengängig**einatembar; AGS, DFG, Y
VLEP (France)	Long-term value: 2 mg/m^3 pour la fraction alvéolaire
OEL (Ireland)	Long-term value: 2 mg/m^3 respirable fraction

Regulatory information

VLEP (France): ED 1487 05.2021

OEL (Ireland): 2021 CoP for the Safety, Health and Welfare at Work

BOELV (EU): EU 2022/431

AGW (Germany): TRGS 900

MAK (Germany): MAK- und BAT-Liste

- **DNELs:** Data not available

- **PNECs:** Data not available

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

8.2 Exposure controls

- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure:**

- **Appropriate engineering controls:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

See Section 7 for information about design of technical facilities.

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

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Hand protection**



Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves:**

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

- **Penetration time of glove material:**

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

- **Eyeface protection**



Tightly sealed goggles

- **Body protection:** Protective work clothing

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- **Thermal hazards:** Not required for normal conditions of use.
- **Environmental exposure controls:**
Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **Physical state** Solid
- **Colour:** Green
- **Odour:** Odourless
- **Odour threshold:** Data not available.
- **Melting point/freezing point:** Data not available.
- **Boiling point or initial boiling point and boiling range** Data not available.
- **Flammability** Data not available
- **Lower and upper explosion limit**
- **Lower:** Data not available.
- **Upper:** Data not available.
- **Flash point:** Data not available
- **Auto-Ignition temperature:** Data not available
- **Decomposition temperature:** Data not available.
- **pH** Data not available
- **Viscosity:**
- **Kinematic viscosity** Data not available
- **Dynamic viscosity** Data not available
- **Solubility**
- **water:** Data not available
- **Partition coefficient n-octanol/water (log value)** Data not available.
- **Vapour pressure:** Data not available.
- **Density and/or relative density**
- **Density:** Data not available.
- **Relative density** Data not available.
- **Relative vapour density:** Data not available.
- **Particle characteristics** Data not available

- **9.2 Other information**

- **Appearance:**
- **Form:** Solid

- **Information with regard to physical hazard classes**
- **Explosives** Not applicable
- **Flammable gases** Not applicable
- **Aerosols** Not applicable
- **Oxidising gases** Not applicable
- **Gases under pressure** Not applicable
- **Flammable liquids** Not applicable
- **Flammable solids** Not applicable
- **Self-reactive substances and mixtures** Not applicable
- **Pyrophoric liquids** Not applicable
- **Pyrophoric solids** Not applicable
- **Self-heating substances and mixtures** Not applicable
- **Substances and mixtures, which emit flammable gases in contact with water** Not applicable
- **Oxidising liquids** Not applicable
- **Oxidising solids** Not applicable
- **Organic peroxides** Not applicable
- **Corrosive to metals** Not applicable

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- | | |
|---------------------------------------|--------------------|
| · Desensitised explosives | Not applicable |
| · Other safety characteristics | Data not available |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used according to specification.
- **10.2 Chemical stability** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if swallowed.
- **LD/LC50 values relevant for classification:** Data not available
- **Skin corrosion/irritation:** Causes severe skin burns and eye damage.
- **Serious eye damage/irritation:** Causes serious eye damage.
- **Respiratory or skin sensitisation:**
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
- **Germ cell mutagenicity:** Suspected of causing genetic defects.
- **Carcinogenicity:** May cause cancer by inhalation.
- **Reproductive toxicity:** May damage the unborn child.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Causes damage to organs through prolonged or repeated exposure.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· Endocrine disrupting properties
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None of the ingredients is listed.

- **Other information** No further relevant information available.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|--|
| · 14.1 UN number or ID number | |
| · ADR/RID/ADN, IATA | Not applicable |
| · IMDG | UN3496 |
| · 14.2 UN proper shipping name | |
| · ADR/RID/ADN, IATA | Not applicable |
| · IMDG | Batteries, nickel-metal hydride, MARINE POLLUTANT |
| · 14.3 Transport hazard class(es) | |
| · ADR/RID/ADN, IATA | |
| · Class | Not applicable |
| · Label | Not applicable |
| · IMDG | |
|  | |
| · Class | 9 Miscellaneous dangerous substances and articles. |
| · Label | 9 |
| · 14.4 Packing group | |
| · ADR/RID/ADN, IMDG, IATA | Not applicable |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | Symbol (fish and tree) |
| · 14.6 Special precautions for user | Not applicable. |
| · EMS Number: | F-A,S-I |
| · Stowage Category | A |
| · Stowage Code | SW1 Protected from sources of heat. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · 14.8 Transport/Additional information: | Referring to the Certification for Safe Transport of Goods (Report No. MQIZ7LQG2427417U1a) issued by Pony Testing International Group, NI-MH RECHARGEABLE BATTERY AA is not subject to IMO IMDG Code according to the Special Provisions 963 (upon supplier's information). When packaged for transport, the cells or batteries shall be protected from short circuit. |
| | Referring to the Certification for Safe Transport of Goods (Report No. MQIZ7LQG2427407U1a) issued by Pony Testing International Group, NI-MH RECHARGEABLE BATTERY AA is not subject to IATA |

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·	DGR according to the Special Provisions A199 of DGR (upon supplier's information). When packaged for transport, the terminals must be protected from short circuit and accidental start-up.
· IMDG	
· Limited quantities (LQ)	0
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity

SECTION 15: Regulatory information

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

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category E2** Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

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

None of the ingredients is listed.

· **Regulation (EU) No 649/2012**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

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

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

· **REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone-depleting potential)**

None of the ingredients is listed.

· **Other regulations, limitations and prohibitive regulations**

· **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (10/6/2022)**

None of the ingredients is listed.

· **REACH Regulation Annex XVII Restriction (13/12/2021)**

See Section 16 for information about restriction of use.

None of the ingredients is listed.

· **REACH Regulation Annex XIV Authorization List (8/4/2022)**

None of the ingredients is listed.

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

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SECTION 16: Other information

· **Relevant hazard statements**

- H260 In contact with water releases flammable gases which may ignite spontaneously.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H341 Suspected of causing genetic defects.
- H350i May cause cancer by inhalation.
- H351 Suspected of causing cancer.
- H360D May damage 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.

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

Acute toxicity - oral Skin corrosion/irritation Serious eye damage/eye irritation Respiratory sensitisation Skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific target organ toxicity (repeated exposure) Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
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The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2020/878.

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 reason, 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.

· **Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Water-react. 1: Substances and mixtures which in contact with water emit flammable gases – Category 1
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Corr. 1A: Skin corrosion/irritation – Category 1A

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*Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Resp. Sens. 1: Respiratory sensitisation – Category 1**Skin Sens. 1: Skin sensitisation – Category 1**Muta. 2: Germ cell mutagenicity – Category 2**Carc. 1A: Carcinogenicity – Category 1Ai**Carc. 2: Carcinogenicity – Category 2**Repr. 1B: Reproductive toxicity – Category 1B**STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*********End of document*

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