

VOLTECO S.P.A

HL002 - TRIPLEZERO T

Revision nr.1
Dated 22/07/2026
First compilation
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EN

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

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

1.1. Product identifier

Code: HL002
Product name: TRIPLEZERO T

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

Intended use: Hydrophobic cream for construction

1.3. Details of the supplier of the safety data sheet

Name: VOLTECO S.P.A
Full address: via delle industrie 47
District and Country: 31050 Ponzano Veneto (TV)
Italia
Tel.: 04229663
e-mail address of the competent person responsible for the Safety Data Sheet: volteco@volteco.it

1.4. Emergency telephone number

For urgent inquiries refer to:
European emergency phone number 112
Volteco - +39-0422-9663
Ireland
Poison information centre: 01 809 2166 (Daily 8am-10pm) In case of emergency call 999 or 112
Malta
In case of emergency call: +356 2395 2000 (24h)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication: --

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal word: --

Hazard statements:

EUH066 Repeated exposure may cause skin dryness or cracking.
EUH210 Safety data sheet available on request.
EUH208 Contains: REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)
May produce an allergic reaction.

Precautionary statements: --

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SECTION 2. Hazards identification ... / >>

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration $\geq$ 0.1%.

Inhalation of aerosols can cause damage to health.

The product hydrolyzes to form ethanol (CAS no. 64-17-5). Ethanol is classified for both physical hazards and health hazards. The rate of hydrolysis and therefore also the relevance for the hazard of the product depends strongly on the specific conditions.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
Mixture of aliphatic hydrocarbons		
INDEX	40 $\leq$ x < 50	Asp. Tox. 1 H304, EUH066
EC	927-676-8	
CAS		
REACH Reg.	01-2119456377-30	
Aliphatic and naphthalene hydrocarbons		
INDEX	649-327-00-6 10 $\leq$ x < 15	Asp. Tox. 1 H304, EUH066
EC	265-150-3	
CAS	64742-48-9	
REACH Reg.	01-2119456810-40	
REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)		
INDEX	613-167-00-5 0 < x < 0,0015	Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, Classification note according to Annex VI to the CLP Regulation: B
EC		Skin Corr. 1 H314: $\geq$ 0,6%, Skin Irrit. 2 H315: $\geq$ 0,6% - < 0,6%, Skin Sens. 1A H317: $\geq$ 0,0015%, Eye Dam. 1 H318: $\geq$ 0,6%, Eye Irrit. 2 H319: $\geq$ 0,6%
CAS	55965-84-9	LD50 Oral: >50 mg/kg, LD50 Dermal: >50 mg/kg, LC50 Inhalation mists/powders: 0,31 mg/l/4h
REACH Reg.	01-2120764691-48-XXXX	

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

No effects requiring implementation of special first aid measures are expected. The following information represents practical indications of correct behaviour in the event of contact with a chemical product, even if not hazardous.

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

Specific information on symptoms and effects caused by the product are unknown.

SECTION 4. First aid measures ... / >>

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

If symptoms occur, whether acute or delayed, consult a doctor.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

SECTION 5. Firefighting measures**5.1. Extinguishing media**

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

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

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage**7.1. Precautions for safe handling**

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

Information on fire and explosion protection:

The product may release ethanol. In closed environments, vapors can form mixtures with air, which in the presence of ignition sources cause explosions even inside empty, uncleaned containers. Keep away from sources of ignition and do not smoke. Take precautions against

SECTION 7. Handling and storage ... / >>

electrostatic charges. Cool containers in danger with water.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

Minimum temperature during storage and transport: 1 °C

Maximum temperature during storage and transport: 35°C

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection**8.1. Control parameters**

Limit values of air quality in the workplace:

Etanolo Oel 1920 mg/m³ 1000.0 ppm

Aerosol - inhabitable fraction 10.0 mg/m³

Regulatory references:

DEU	Deutschland	WirkungDosisNOAELMAK-und BAT-Werte-Liste 2024 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe
POL	Polska	ROZPORZĄDZENIE MINISTRA RODZINY, PRACY I POLITYKI SPOŁECZNEJ z dnia 24 czerwca 2024 r. zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE

(3:1)

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min	Remarks / Observations
		mg/m ³	ppm	
MAK	DEU	0,2	0,4	INHAL
NDS/NDSch	POL	0,2	0,4	SKIN

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344/ISO 13034).

Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

RESPIRATORY PROTECTION

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Exhibition in the limited and controlled workplace

General protection and hygiene measures:

Observe the normal industrial hygiene practices for the manipulation of chemicals. Do not inhale gas/vapors/aerosols.

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Use with adequate ventilation. Do not eat, drink or smoke during manipulation.

More information for system design and technical measures

Observe the information in section 7. Respect the national regulatory requirements.

Individual protective equipment:

Respiratory protection

If an exposure by inhalation superior to the professional exposure limit cannot be excluded, an adequate respiratory protection device must be used. Suitable respiratory equipment: respirator with full facial mask, compliant with recognized standards such as the EN 136 standard.

Recommended filter type: ABEK type antigas filter (some inorganic gases and vapors, organic and acids; ammonia/amines), compliant with recognized standards such as the EN 14387 standard

In case of exposure to mists, splashes or aerosols, wear adequate respiratory protection and a protective suit. Suitable respiratory equipment: respirator with full facial mask, compliant with recognized standards such as the EN 136 standard.

Recommended filter type: combined filter type Abek-P2 (some inorganic gases and vapors, organic and acids; ammonia/amines; particles), in accordance with recognized standards such as the EN 14387 standard.

Observe the information of the manufacturer of the equipment and the limits of time of use for respiratory.

Eye protection

The use of protective glasses compliant with recognized standards such as the EN 166 standard is recommended.

Hands protection

The use of protective gloves during the manipulation of the material is recommended, compliant with recognized standards such as the EN 374 standard.

Recommended gloves types: protective gloves in nitrilic rubber

Material thickness:> 0.1 mm

Permeation time:> 480 min

Recommended types of gloves: protective gloves in butyl rubber

Material thickness:> 0.3 mm

Permeation time:> 480 min

Observe the instructions relating to the permeability and permeation time provided by the gloves supplier.

Also take into consideration the specific local conditions in which the product is used, such as the risk of cuts, abrasions and contact time.

Note that, due to the numerous external influences (such as the temperature), a protective glove resistant to chemicals used daily can have a duration considerably lower than the measured permeation time.

Skin protection

Protective clothing, compliant with recognized rules such as the EN 13034 standard.

Exposure to the limited and controlled environment.

Prevent the material from entering surface waters, drains or sewers and soil.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	pasty liquid	
Colour	yellowish	
Odour	characteristic of solvent	
Melting point / freezing point	not available	
Initial boiling point	not available	
Flammability	not available	
Lower explosive limit	0,6 % (v/v)	
Upper explosive limit	not available	
Flash point	65 °C	
Auto-ignition temperature	374 °C	
Decomposition temperature	not available	
pH	4,5-7	Temperature: 25 °C
Kinematic viscosity	> 20,5 mm ² /s	Temperature: 40 °C
Solubility	Miscibile con acqua	
Partition coefficient: n-octanol/water	not applicable	
Vapour pressure	not available	
Density and/or relative density	0,848 g/cm ³	
Relative vapour density	not available	
Particle characteristics	not applicable	

9.2. Other information

9.2.1. Information with regard to physical hazard classes

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SECTION 9. Physical and chemical properties ... / >>

Information not available

9.2.2. Other safety characteristics

Explosion limits

Ethanol released: 3,5-15% Vol.

Sustained combustion

> 110°C (ISO 9038)

SECTION 10. Stability and reactivity**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Reacts with: basic substances and acids. The reaction takes place with the formation of ethanol.

10.6. Hazardous decomposition products

With ethanol hydrolysis. For the part of silicone present in the substance, the following applies: Controls show that at temperatures above 150°C, due to oxidative decomposition, a small quantity of formaldehyde is released.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:

Not classified (no significant component)

ATE (Oral) of the mixture:

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

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SECTION 11. Toxicological information ... / >>

Mixture of aliphatic hydrocarbons
LD50 (Dermal): > 5000 mg/kg Rabbit METHOD OECD 402
LD50 (Oral): > 15000 mg/kg Rat METHOD OECD 403
LC50 (Inhalation vapours): > 4,951 mg/l/4h Rat METHOD OECD 403

Aliphatic and naphthalene hydrocarbons
LD50 (Dermal): > 5000 mg/kg Rabbit
LD50 (Oral): > 5000 mg/kg Rat
LC50 (Inhalation vapours): > 5000 mg/l/4h Rat

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)
LD50 (Dermal): > 50 mg/kg Rabbit
LD50 (Oral): > 50 mg/kg Rat
LC50 (Inhalation mists/powders): 0,31 mg/l/4h Rat

Assessment:

Respirable aerosols containing aminofunctional polysiloxanes may cause harmful effects on the lungs if inhaled in animal testing. Given the many possible influencing factors (e.g. amino function, degree of substitution, viscosity, composition) it is not possible to estimate the toxicological effects on the lungs for untested products of this type. In these cases, the inhalation of respirable aerosols must be prevented by means of appropriate technical measures.

Acute Toxicity Estimate (ATE):

ATEmix (Oral): > 2000 mg/kg

Data on substances:

Aminofunctional polydimethylsiloxane:

Oral LD50 > 2000 mg/kg

Species: Rat, Source: Conclusion by analogy

SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.

Data on substances:

Aminofunctional polydimethylsiloxane:

No skin irritation

(Species: Rabbit, Source: Conclusion by analogy)

Mixture of aliphatic hydrocarbons
Mildly irritating (Rabbit, Method: Oecd 404)

Aliphatic and naphthalene hydrocarbons
Mildly irritating

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

Data on substances:

Aminofunctional polydimethylsiloxane:

No eye irritation

(Species: Rabbit, Source: Conclusion by analogy)

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

Data on substances:

Aminofunctional polydimethylsiloxane:

Skin contact: Does not cause skin sensitization.

(Species: Guinea pig, Test system: Maximization Test, Method: OECD 406, Source: Conclusion by analogy)

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

Data on substances:

Aminofunctional polydimethylsiloxane: negative

(Test system: mutation assay (in vitro) / bacterial cells, Method: OECD 471, Source: analysis report)

SECTION 11. Toxicological information ... / >>CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class Viscosity: > 20,5 mm²/s

Mixture of aliphatic hydrocarbons
Product can pose an aspiration hazard

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

Data on substances:

Aliphatic and naphthenic hydrocarbons:

According to the literature, aliphatic hydrocarbons have a slightly irritating effect on the epidermis and mucous membranes. Degreases the skin. Narcotic. In case of direct action on lung tissues (e.g. by aspiration) it can cause pneumonia.

Hydrolysis products (Ethanol):

Ethanol (64-17-5) is absorbed well and rapidly with all routes of exposure. Ethanol can cause irritation of the eyes and mucous membranes as well as functional alterations of the central nervous system, nausea and dizziness. Chronic exposure to large quantities of ethanol can cause damage to the liver and central nervous system.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

Data on substances:

The data collected on the overall product has priority over the data of the individual ingredients.

Aminofunctional polydimethylsiloxane:

LC50: > 100 mg/l - Static test *Oncorhynchus mykiss* (rainbow trout) (96 h), Conclusion by analogy

EC50: > 100 mg/l - Static test *Daphnia magna* (Water flea) (48 h), Conclusion by analogy

12.2. Persistence and degradability

REACTION MASS OF 5-CHLORO-2- METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)

NOT rapidly degradable

Data on substances:

Aminofunctional polydimethylsiloxane:

Biodegradability:

easily eliminated (Conclusion by analogy OECD 302B)

Hydrolysis products (Ethanol):

Ethanol is easily biodegradable.

12.3. Bioaccumulative potential

Information not available

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SECTION 12. Ecological information ... / >>			
12.4. Mobility in soil			
Information not available			
12.5. Results of PBT and vPvB assessment			
On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.			
12.6. Endocrine disrupting properties			
Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.			
12.7. Other adverse effects			
Information not available			
SECTION 13. Disposal considerations			
13.1. Waste treatment methods			
Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.			
<u>Directive 2008/98/EC (waste)</u> For the disposal of waste from this material, the hazard characteristics shall be assessed in accordance with Directive 2008/98/EC. Any transboundary shipment must comply with Regulation (EU) 2024/1157.			
SECTION 14. Transport information			
The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.			
14.1. UN number or ID number			
not applicable			
14.2. UN proper shipping name			
not applicable			
14.3. Transport hazard class(es)			
not applicable			
14.4. Packing group			
not applicable			
14.5. Environmental hazards			
not applicable			
14.6. Special precautions for user			
not applicable			
14.7. Maritime transport in bulk according to IMO instruments			
EPY 12.4.0 - SDS 1004.14			

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Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU:

None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Contained substance

Point75

Regulation (EU) 2024/590 - Ozone-depleting substances

None

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Regulation (EU) 2019/1021 - on persistent organic pollutants

None

Healthcare controls

Information not available

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 2

Acute toxicity, category 2

Acute Tox. 3

Acute toxicity, category 3

Asp. Tox. 1

Aspiration hazard, category 1

Skin Corr. 1B

Skin corrosion, category 1B

Skin Corr. 1C

Skin corrosion, category 1C

Skin Corr. 1

Skin corrosion, category 1

Eye Dam. 1

Serious eye damage, category 1

Eye Irrit. 2

Eye irritation, category 2

Skin Irrit. 2

Skin irritation, category 2

Skin Sens. 1A

Skin sensitization, category 1A

Aquatic Acute 1

Hazardous to the aquatic environment, acute toxicity, category 1

Aquatic Chronic 1

Hazardous to the aquatic environment, chronic toxicity, category 1

H310

Fatal in contact with skin.

H330

Fatal if inhaled.

H301

Toxic if swallowed.

H304

May be fatal if swallowed and enters airways.

H314

Causes severe skin burns and eye damage.

H318

Causes serious eye damage.

H319

Causes serious eye irritation.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

EPY 12.4.0 - SDS 1004.14

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SECTION 16. Other information ... / >>

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH210	Safety data sheet available on request.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707
24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
25. Delegated Regulation (UE) 2023/1435 (XX Atp. CLP)
26. Delegated Regulation (UE) 2024/197 (XXI Atp. CLP)
27. Delegated Regulation (UE) 2024/2564 (XXII Atp. CLP)
28. Regulation (EU) 2024/2865
29. Delegated Regulation (UE) 2025/1222 (XXIII Atp. CLP)

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SECTION 16. Other information ... / >>

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.