

**Safety data sheet**  
**according to Regulation (EC) No 1907/2006, Article 31**

Printing date 05.06.2024

Version number 10.7 (replaces version 10.6)

Revision: 05.06.2024

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

- **1.1 Product identifier**
- **Trade name:** *Gelcoat Premium Protection*
- **Article number:** 24015
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Sealing
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Menzerna polishing compounds GmbH & Co. KG  
Industriestraße 25  
76470 ÖTIGHEIM  
GERMANY  
sds@menzerna.com  
Tel.: +49 (0) 7222 9157-0  
www.menzerna.com
- **Further information obtainable from:** Product and Environmental Safety Department
- **1.4 Emergency telephone number:** CHEMTREC: +1 703-741-5970 / 1-800-424-9300 CCN 842438

**SECTION 2: Hazards identification**

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



GHS08 health hazard

STOT RE 2                      H373 May cause damage to the central nervous system through prolonged or repeated exposure.

Aquatic Chronic 3   H412 Harmful to aquatic life with long lasting effects.

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



GHS08

- **Signal word** Warning
- **Hazard-determining components of labelling:**  
Stoddard solvent
- **Hazard statements**  
H373 May cause damage to the central nervous system through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
P314 Get medical advice/attention if you feel unwell.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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- **Additional information:**  
EUH066 Repeated exposure may cause skin dryness or cracking.  
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

EC number: 927-676-8 Reg.nr.: 01-2119456377-30	Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics ⚠ Asp. Tox. 1, H304, EUH066	10-25%
EC number: 920-901-0 Reg.nr.: 01-2119456810-40	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics ⚠ Asp. Tox. 1, H304, EUH066	2.5-10%
CAS: 71750-80-6 EC number: 615-337-4	Siloxanes and silicones, di-Me,[[[3-[(2-aminoethyl)amino]propyl]dimethoxysilyl]oxy]-terminated ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥2.5-<10%
CAS: 8052-41-3 EINECS: 232-489-3	Stoddard solvent ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 1, H372; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; Aquatic Chronic 3, H412	≥2.5-<10%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	≥0-<10%
CAS: 69430-37-1 Polymer	Dimethyl Siloxane, HO-term Rxn Methyltrimethoxysilane & Aminoethylaminopropyltrimethoxysilane ⚠ Flam. Liq. 2, H225; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥0.25-<2.5%
CAS: 67-56-1 EINECS: 200-659-6	methanol ⚠ Flam. Liq. 2, H225; ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ STOT SE 1, H370 Specific concentration limits: STOT SE 1; H370: C ≥ 10% STOT SE 2; H371: 3 % ≤ C < 10 %	≥0-≤2.5%
CAS: 2634-33-5 EINECS: 220-120-9 Reg.nr.: 01-2120761540-60	1,2-benzisothiazol-3(2H)-one ⚠ Acute Tox. 2, H330; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	≥0.025-<0.05%
CAS: 52-51-7 EINECS: 200-143-0 Reg.nr.: 01-2119980938-15	bronopol (INN) ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; STOT SE 3, H335	≥0.025-<0.25%
CAS: 556-67-2 EINECS: 209-136-7	octamethylcyclotetrasiloxane ⚠ Flam. Liq. 3, H226; ⚠ Repr. 2, H361f; ⚠ Aquatic Chronic 1, H410 (M=10) PBT; vPvB	≥0.0025-<0.025%

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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

· **4.1 Description of first aid measures**

· **General information:**

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; consult doctor in case of complaints.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

If symptoms persist consult doctor.

Rinse out mouth and then drink plenty of water.

· **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**

If swallowed or in case of vomiting, danger of entering the lungs.

Treat according to symptoms.

**SECTION 5: Firefighting measures**

· **5.1 Extinguishing media**

- **Suitable extinguishing agents:** Water spray, foam, dry powder or carbon dioxide.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases when heated or in the event of fire, e.g. carbon monoxide, carbon dioxide.

- **5.3 Advice for firefighters** Adapt extinguishing measures to the surroundings.

· **Protective equipment:**

Mouth respiratory protective device.

Wear self-contained respiratory protective device.

Wear fully protective suit.

**SECTION 6: Accidental release measures**

· **6.1 Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Keep unnecessary personnel away. Ensure adequate ventilation. Use personal protection recommended in section 8.

· **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.

Inform the responsible authorities in the event of spillage into watercourses or sewers.

· **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

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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**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a well-ventilated place. Storage temperature: between 5°C and 30°C.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **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:**  
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

<b>CAS: 67-56-1 methanol (≤2.5%)</b>		
IOELV	Long-term value: 260 mg/m³, 200 ppm Skin	
<b>CAS: 1308-38-9 dichromium trioxide (≤2.5%)</b>		
IOELV	Long-term value: 2 mg/m³ as Cr	
· <b>DNELs</b>		
<b>CAS: 67-63-0 propan-2-ol</b>		
Oral	DNEL, general population, oral	26 mg/kg bw/d (general population)
Dermal	DNEL, general population, dermal	319 mg/kg KG/d (general population)
	DNEL, worker, dermal	888 mg/kg KG/d (worker)
Inhalative	DNEL	89 mg/m3 (general population)
	DNEL, worker, inhalativ	500 mg/m3 (worker)
<b>CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one</b>		
Dermal	DNEL, general population, dermal	0.345 mg/kg KG/d (general population)
	DNEL, worker, dermal	0.966 mg/kg KG/d (worker)
Inhalative	DNEL	1.2 mg/m3 (general population)
	DNEL, worker, inhalativ	6.81 mg/m3 (worker)
· <b>PNECs</b>		
<b>CAS: 67-63-0 propan-2-ol</b>		
PNEC (Sewage plant)	2,251 mg/l	
PNEC (freshwater)	140,900 µg/l	
PNEC (seawater)	140.9 mg/l	

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PNEC (sediment)	552 mg/kg
soil	28 mg/kg
PNEC (secondary poisoning)	160 mg/kg Nahrung
<b>CAS: 67-56-1 methanol</b>	
PNEC (Sewage plant)	100 mg/l
PNEC (freshwater)	20,800 µg/l
PNEC (seawater)	2.08 mg/l
sediment (freshwater)	77 mg/kg
Sediment (seawater)	7.7 mg/kg
soil	100 mg/kg
<b>CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one</b>	
PNEC (Sewage plant)	1.03 mg/l
PNEC (freshwater)	4.03 µg/l
PNEC (seawater)	0.000403 mg/l
sediment (freshwater)	0.0499 mg/kg
Sediment (seawater)	0.00499 mg/kg
soil	3 mg/kg
<b>CAS: 556-67-2 octamethylcyclotetrasiloxane</b>	
PNEC (Sewage plant)	>10 mg/l
PNEC (freshwater)	0.44 µg/l
PNEC (seawater)	0.000044 mg/l
sediment (freshwater)	0.64 mg/kg
Sediment (seawater)	0.064 mg/kg
soil	0.13 mg/kg

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

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

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

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

The design of body protection equipment must be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances.

· **Respiratory protection:**

For short-term or low exposure use respiratory filter device (DIN EN 143/ DIN EN 14387); for intensive or prolonged exposure use self-contained breathing apparatus.

· **Hand protection**



Protective gloves

As a rule, one does not come into direct contact with the product during use.

Protective gloves must not be worn if there is a risk of the protective glove being drawn into rotating or linearly moving machine parts.

Recommendation for short-term exposure: chemical-resistant protective gloves (according to the specifications of VO (EU) No. 2016/425 and DIN EN 374).

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· **Material of gloves**

Recommended thickness of the material:  $\geq 0.45$  mm

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.

Nitrile rubber, NBR

· **Penetration time of glove material**

$\geq 480$  min

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

· **Eye/face protection**



Tightly sealed goggles

· **Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties**

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Green

· **Odour:**

Solvent-like

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

$>100$  °C ( $>212$  °F)

· **Flammability**

Not applicable.

· **Lower and upper explosion limit**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

48 °C (118.4 °F) (DIN EN ISO 3679 Verf. B)

· **Decomposition temperature:**

Not determined.

· **pH at 20 °C (68 °F)**

7-10

· **Viscosity:**

· **Kinematic viscosity at 40 °C (104 °F)**

$>20.5$  mm<sup>2</sup>/s

· **Dynamic:**

Not determined.

· **Solubility**

· **water:**

Not miscible or difficult to mix.

· **Partition coefficient n-octanol/water (log value)**

Not determined.

· **Vapour pressure:**

Not determined.

· **Density and/or relative density**

· **Density at 20 °C (68 °F):**

1 g/cm<sup>3</sup> (8.35 lbs/gal)

· **Relative density**

Not determined.

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· Vapour density	Not determined.
· 9.2 Other information	CLP Annex I 2.6.4.5 Liquids with a flash point of more than 35 °C and not more than 60 °C need not be classified as Category 3 if the test L.2 for self-sustaining combustion according to the UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria, Part III, Section 32, is negative.Result: negative (DIN EN ISO 9038)
· Appearance:	
· Form:	Viscous
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· VOC (EC)	≥10.49-≤10.77 %
· Change in condition	
· Softening point/range	
· Oxidising properties	Not determined.
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity None under normal conditions.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:  
No decomposition if used according to specifications.
- 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.

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- **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** Based on available data, the classification criteria are not met

- **LD/LC50 values relevant for classification:**

#### **Hydrocarbons, C11-C13, isoalkanes, <2% aromatics**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rab)

#### **CAS: 67-63-0 propan-2-ol**

Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	12,800 mg/kg (rabbit)

#### **CAS: 67-56-1 methanol**

Oral	LD50	340 mg/kg (humans) (Schätzwert)
		5,628 mg/kg (rat)
Dermal	LD50	29-237 ml (humans) (Schätzwert)
	LD50	15,800 mg/kg (rabbit)

#### **CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one**

Oral	LD50	670-784 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	0.5 mg/l (rat)

#### **CAS: 52-51-7 bronopol (INN)**

Oral	LD50	305 mg/kg (rat)
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#### **CAS: 556-67-2 octamethylcyclotetrasiloxane**

Oral	LD50	>4,800 mg/kg (rat)
Dermal	LD50	>2,400 mg/kg (rat)
Inhalative	LC50/4 h	36 mg/l (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**

May cause damage to the central nervous system 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**

List II: This list contains substances that are currently under evaluation in an EU legislative process due to explicit concerns for possible endocrine disrupting properties.

List III: This list contains substances that are considered as endocrine disruptors at the national level in one of the participating Member States, due to e.g. ED properties or structural similarities with known EDs.

It should be noted that these compounds are not necessarily considered as suspected EDs at the EU level.

The European Commission or Member States may decide at a later stage on the need for further evaluation of these substances.

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CAS: 556-67-2	octamethylcyclotetrasiloxane	List II; III
CAS: 541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	List II
CAS: 540-97-6	Dodecamethylcyclohexasiloxane	List II

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:**

**CAS: 67-63-0 propan-2-ol**

LC50/24h	>10,000 mg/l (daphnia)
LC50/96h	9,640 mg/l (pimephales promelas)
EC50	>100 mg/l (bacteria)
EC50 (72h)	>100 mg/l (Scenedesmus subspicatus)
NOELR	>1,000 mg/l /21 d (daphnia) (QSAR)
	>1,000 mg/l /28 d (fi) (QSAR)

**CAS: 69430-37-1 Dimethyl Siloxane, HO-term Rxn Methyltrimethoxysilane & Aminoethylaminopropyltrimethoxysilane**

EC50 (48h)	>0.1-1 mg/l
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**CAS: 67-56-1 methanol**

aquatic toxicity	>10,000 mg/l (daphnia)
LC50/96h	15,400 mg/l (Lepomis macrochirus)
ErC50 (96h)	22,000 mg/l (Pseudokirchneriella subcapitata)

**CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one**

LC50/96h	2.2 mg/l (Oncorhynchus mykiss)
EC50 (48h) (static)	0.643 mg/l (daphnia)
EC50 (72h)	0.11 mg/l (Selenastrum capricornutum)
EC50 (96h) (static)	0.9893 mg/l (Mysidopsis bahia)
NOEC (72h)	0.0403 mg/l (Pseudokirchneriella subcapitata)
NOEC (96h) (static)	0.25 mg/l (Mysidopsis bahia)
NOEC (21d)	1.2 mg/l (daphnia)
NOEC (28d)	0.21 mg/l (Oncorhynchus mykiss)
ErC50 (72h)	0.11 mg/l (Selenastrum capricornutum)

**CAS: 52-51-7 bronopol (INN)**

LC50/96h	3 mg/l (Oncorhynchus mykiss)
EC50 (3h)	13 mg/l (sewage plant)
EC50 (48h)	1.04 mg/l (dah)
EC50 (72h)	0.068 mg/l (al)
NOEC (72h)	0.0025 mg/l (al)
NOEC (21d)	0.06 mg/l (dah)
NOEC (28d)	2.61 mg/l (Oncorhynchus mykiss)

**CAS: 556-67-2 octamethylcyclotetrasiloxane**

LC50/96h	>0.022 mg/l (Oncorhynchus mykiss)
EC50 (48h)	>0.015 mg/l (daphnia)

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EC50 (96h)	>0.0091 mg/l (Mysidopsis bahia)
NOEC (21d)	≥0.0079 mg/l (daphnia)
NOEC (93d)	≥0.0044 mg/l (Oncorhynchus mykiss)
ErC50 (72h)	>0.022 mg/l (Pseudokirchneriella subcapitata)

**12.2 Persistence and degradability**

**CAS: 67-63-0 propan-2-ol**

degradability 53 % (consumption of oxygene (time 5d))

**CAS: 556-67-2 octamethylcyclotetrasiloxane**

degradability 3.7 % /28d

**12.3 Bioaccumulative potential**

**CAS: 67-63-0 propan-2-ol**

log KOW 0.05

**CAS: 67-56-1 methanol**

BCF <100

<10 /gemessen (Leuciscus idus)

**CAS: 556-67-2 octamethylcyclotetrasiloxane**

BCF >3,000

log KOW 6.49

· **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** For information on endocrine disrupting properties see section 11.

· **12.7 Other adverse effects**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Harmful to aquatic organisms

**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.

· **Waste disposal key:**

Waste codes should be determined in consultation with the customer, supplier and disposal.

· **Uncleaned packaging:**

· **Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

**SECTION 14: Transport information**

· **14.1 UN number or ID number**

· **ADR/RID, ADN, IMDG, IATA**

Void

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· <b>14.2 UN proper shipping name</b>	
· <b>ADR/RID, ADN, IMDG, IATA</b>	Void
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR/RID, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>14.4 Packing group</b>	
· <b>ADR/RID, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Void

\* **SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
Regulation 1907/2006/EC, REACH concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (in the currently valid version)  
Regulation 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures (in the currently valid version)

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 69, 70

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

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.

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

**SECTION 16: Other information**

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31, as amended by Regulation (EU) 2020/878.

The information in the safety data sheet applies only to the product described in connection with its intended use. The information is based on the current state of our knowledge. In particular, they serve to

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**Safety data sheet**  
**according to Regulation (EC) No 1907/2006, Article 31**

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describe our product with regard to the hazards it presents and the applicable safety precautions. They do not represent any assurance of product and quality properties. The information in this safety data sheet is required in accordance with Article 31 and Annex II of Regulation (EC) No 1907/2006.

**Relevant phrases**

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H331 Toxic if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H370 Causes damage to organs.
- H371 May cause damage to organs.
- 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.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

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

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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**Department issuing SDS:** Product and Environmental Safety Department

**Date of previous version:** 07.02.2024

**Version number of previous version:** 10.6

**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)  
 VOC: Volatile Organic Compounds (USA, EU)  
 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  
 vPvB: very Persistent and very Bioaccumulative  
 Flam. Liq. 2: Flammable liquids – Category 2  
 Flam. Liq. 3: Flammable liquids – Category 3  
 Acute Tox. 3: Acute toxicity – Category 3  
 Acute Tox. 4: Acute toxicity – Category 4  
 Acute Tox. 2: Acute toxicity – Category 2  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2

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Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
Repr. 2: Reproductive toxicity – Category 2  
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
Asp. Tox. 1: Aspiration hazard – 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 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3  
· \* **Data compared to the previous version altered.**

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