

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 21.11.2024

Version number 11 (replaces version 10)

Revision: 21.11.2024

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

1.1 Product identifier

Trade name: **Threadlocker**

Article number: 87562

UFI: P3X3-W08J-V002-F33V

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

Adhesives

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH
Lechstrasse 28
D 90451 Nürnberg

Tel. +49(0)911-642960
Fax. +49(0)911-644456
e-mail info@akemi.de

Further information obtainable from:

Laboratory

1.4 Emergency telephone number:

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH
Tel. +49(0)911-64296-59
Reachable during the following office hours:
Monday – Thursday from 07:30 a.m. to 16:30 p.m.
Friday from 07:30 a.m. to 13:30 p.m.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

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

STOT SE 3 H335 May cause respiratory irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS07

Signal word

Warning

Hazard-determining components of labelling:

hydroxypropyl methacrylate (mixture of isomers)
2,2'-ethylenedioxydiethyldimethacrylate
2'-phenylacetohydrazide

Hazard statements

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

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.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves / eye protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P333+P313
P501If skin irritation or rash occurs: Get medical advice/attention.
Dispose of contents/container in accordance with local/
regional/national/international regulations.**2.3 Other hazards**

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-
disrupting properties

For information on endocrine disrupting properties see section 11.

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

Description: Mixture: consisting of the following components.

Dangerous components:

CAS: 27813-02-1 EINECS: 248-666-3 Reg.nr.: 01-2119490226-37-xxxx	hydroxypropyl methacrylate (mixture of isomers) Eye Irrit. 2, H319; Skin Sens. 1, H317	25-50%
CAS: 109-16-0 EINECS: 203-652-6 Reg.nr.: 01-2119969287-21	2,2'-ethylenedioxydiethyldimethacrylate Skin Sens. 1, H317	12.5-25%
CAS: 80-15-9 EINECS: 201-254-7 Index number: 617-002-00-8	α,α -dimethylbenzyl hydroperoxide Org. Perox. E, H242 Acute Tox. 3, H331 STOT RE 2, H373 Skin Corr. 1B, H314; Eye Dam. 1, H318 Aquatic Chronic 2, H411 Acute Tox. 4, H302; Acute Tox. 4, H312; STOT SE 3, H335 Specific concentration limits: Skin Corr. 1B; H314: $C \geq 10\%$ Skin Irrit. 2; H315: $3\% \leq C < 10\%$ Eye Dam. 1; H318: $C \geq 3\%$ Eye Irrit. 2; H319: $1\% \leq C < 3\%$ STOT SE 3; H335: $C < 10\%$	1-5%
CAS: 114-83-0 EINECS: 204-055-3	2'-phenylacetohydrazide Acute Tox. 3, H301 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	<1%
CAS: 123-31-9 EINECS: 204-617-8 Index number: 604-005-00-4 Reg.nr.: 01-2119524016-51	1,4-dihydroxybenzene Muta. 2, H341; Carc. 2, H351 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10) Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317	<1%

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**

- 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.
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.

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- After swallowing: Seek medical treatment.
Do not induce vomiting; call for medical help immediately.
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**

No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**

- Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- For safety reasons unsuitable extinguishing agents:

Water with full jet

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

Nitrogen oxides (NO_x)

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

- **5.3 Advice for firefighters**

- Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

- Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

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

Ensure adequate ventilation

Wear protective clothing.

- **6.2 Environmental precautions:**

Prevent from spreading (e.g. by damming-in or oil barriers).

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:**

Pick up mechanically.

Dispose of the material collected according to regulations.

Ensure adequate ventilation.

- **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**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

- Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

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7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Information about storage in one common storage facility:

Do not store together with oxidising and acidic materials.

Further information about storage conditions:

Protect from frost.

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Storage class:

10

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 product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs**27813-02-1 hydroxypropyl methacrylate (mixture of isomers)**

Oral	DNEL (Langzeit-wiederholt)	2.5 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	4.2 mg/kg bw/day (ARB)
		2.5 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	14.7 mg/m ³ Air (ARB)
		8.8 mg/m ³ Air (BEV)

109-16-0 2,2'-ethylenedioxydiethyldimethacrylate

Oral	DNEL (Langzeit-wiederholt)	8.33 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	13.9 mg/kg bw/day (ARB)
		8.33 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	48.5 mg/m ³ Air (ARB)
		14.5 mg/m ³ Air (BEV)

123-31-9 1,4-dihydroxybenzene

Dermal	DNEL (Langzeit-wiederholt)	128 mg/kg bw/day (ARB)
		64 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	1-7 mg/m ³ Air (ARB)
		0.5-1.74 mg/m ³ Air (BEV)

PNECs**27813-02-1 hydroxypropyl methacrylate (mixture of isomers)**

PNEC (wässrig)	10 mg/l (KA)
	0.904 mg/l (MW)
	0.904 mg/l (SW)
	0.972 mg/l (WAS)
PNEC (fest)	0.727 mg/kg Trockengew (BO)
	6.28 mg/kg Trockengew (MWS)
	6.28 mg/kg Trockengew (SWS)

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109-16-0 2,2'-ethylenedioxydiethyldimethacrylate

PNEC (wässrig)	1.7 mg/l (KA)
	0.002 mg/l (MW)
	0.016 mg/l (SW)
PNEC (fest)	0.027 mg/kg Trockengew (BO)
	0.018 mg/kg Trockengew (MWS)
	0.185 mg/kg Trockengew (SWS)

123-31-9 1,4-dihydroxybenzene

PNEC (wässrig)	0.71 mg/l (KA)
	0.0000114 mg/l (MW)
	0.000114 mg/l (SW)
PNEC (fest)	0.00134 mg/l (WAS)
	0.000129 mg/kg Trockengew (BO)
	0.000097 mg/kg Trockengew (MWS)
	0.00098 mg/kg Trockengew (SWS)

· 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.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes.

· Respiratory protection:

Avoid contact with the eyes and skin.
Use suitable respiratory protective device only when aerosol or mist is formed.
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.
Short term filter device:
Filter A/P2

· Hand protection



Protective gloves

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

The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory analyses of the company KCL GmbH in compliance with EN374.

This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: <http://www.kcl.de>).

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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.
Value for the permeation: Level $\leq$ 480 min

· For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR

· As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR

· Not suitable are gloves made of the following materials:

Rubber gloves
Strong material gloves
Leather gloves

· Eye/face protection

Tightly sealed goggles

· Body protection:

Alkaline resistant protective clothing

SECTION 9: Physical and chemical properties· **9.1 Information on basic physical and chemical properties**· General Information· Colour:

Dark blue

· Odour:

Specific type

· Odour threshold:

Not determined.

· Melting point/freezing point:

Undetermined.

· Boiling point or initial boiling point and boiling range

240 °C

· Flammability

Not applicable.

· Lower and upper explosion limit· Lower:

0.1 Vol %

· Upper:

0.2 Vol %

· Flash point:

96 °C

· Auto-ignition temperature:

420 °C

· Decomposition temperature:

Not determined.

· pH at 20 °C

3-4

· Viscosity:· Kinematic viscosity

Not determined.

· Dynamic at 20 °C:

1,900-7,500 mPas

· 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:1-1.1 g/cm³· Relative density

Not determined.

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· Vapour density	Not determined.
· 9.2 Other information	
· Appearance:	
· Form:	Pasty
· 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:	
· Solids content:	25.0 %
· Change in condition	
· 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	No further relevant information available.
· 10.2 Chemical stability	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· 10.3 Possibility of hazardous reactions	Reacts with strong acids and oxidising agents. Danger of polymerisation.
· 10.4 Conditions to avoid	Heat, flames and other sources of ignition
· 10.5 Incompatible materials:	strong oxidizing agents
· 10.6 Hazardous decomposition products:	Irritant gases/vapours

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:

ATE (Acute Toxicity Estimates)

Oral	LD50	17,305 mg/kg
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Dermal	LD50	33,333 mg/kg
Inhalative	LC50/4 h	91.3 mg/l (rat)

27813-02-1 hydroxypropyl methacrylate (mixture of isomers)

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
	LD50	>5,000 mg/kg (rabbit) (IUCLID)
		>4,000 mg/kg (rat) (IUCLID)
	LC50/48h	493 mg/l (Leuciscus idus) (IUCLID)

109-16-0 2,2'-ethylenedioxydiethyldimethacrylate

Oral	LD50	>2,000 mg/kg (rat) (OECD 420)
Dermal	LD50	>2,000 mg/kg (mouse) (US EPA)

80-15-9 α,α -dimethylbenzyl hydroperoxide

Oral	LD50	382 mg/kg (rat)
Dermal	LD50	500 mg/kg (rat)
Inhalative	LC50/4h	220 mg/m3 (rat)
	LC50/4 h	1.37 mg/l (rat)
	LC50/48h	17 mg/l (Leuciscus idus) (IUCLID)

114-83-0 2'-phenylacetohydrazide

Oral	LD50	270 mg/kg (mouse)
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123-31-9 1,4-dihydrxybenzene

Oral	LD50	375 mg/kg (rat) (OECD 401)
	NOEL	50 mg/kg (mouse)
		75 mg/kg (rabbit)
		100 mg/kg (rat)
	NOAEL	15 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rat)

- Primary irritant effect:

· Skin corrosion/irritation

· Serious eye damage/irritation

· Respiratory or skin sensitisation

· Germ cell mutagenicity

· Carcinogenicity

· Reproductive toxicity

· STOT-single exposure

· STOT-repeated exposure

· Aspiration hazard
- Based on available data, the classification criteria are not met.

Causes serious eye irritation.

May cause an allergic skin reaction.

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

May cause respiratory irritation.

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

- Endocrine disrupting properties

None of the ingredients is listed.

* SECTION 12: Ecological information

12.1 Toxicity

- Aquatic toxicity:

27813-02-1 hydroxypropyl methacrylate (mixture of isomers)

EC10/16h	1,140 mg/l (pseudomonas putida) (IUCLID)
EC50/48h	380 mg/l (daphnia magna)

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EC0	>100 mg/l (bacteria)
NOEC	97.2 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	24.1 mg/l (daphnia magna)
EC50/72h	>97.2 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	>100 mg/l (piscis)

109-16-0 2,2'-ethylenedioxydiethyldimethacrylate

EC50	51.9 mg/l (daphnia magna)
NOEC	18.6 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOEC/21d	32 mg/l (daphnia magna) (OECD 211)
EC50/72h	>100 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
LC50/96h	16.4 mg/l (Brachydanio rerio) (OECD 203)

80-15-9 α,α -dimethylbenzyl hydroperoxide

EC50/24h	7 mg/l (daphnia magna) (IUCLID)
EC10/18h	103 mg/l (pseudomonas putida) (IUCLID)
LC50/96h	3.9 mg/l (Oncorhynchus mykiss) (IUCLID)

123-31-9 1,4-dihydroxybenzene

EC50/24h	0.12 mg/l (daphnia magna)
EC50	13.5 mg/l (Desmodesmus subspicatus)
IC50/72h	0.335 mg/l (selenastrum capricornutum)
EC50/48h	0.061 mg/l (daphnia magna) (OECD 202)
ErC50/72h	0.335 mg/l (Pseudokirchneriella subcapitata) (IUCLID)
NOELR/72h	0.019 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	0.0057 mg/l (daphnia magna) (OECD 211)
EC10	0.034 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC50/48h	0.29 mg/l (daphnia magna)
EC50/72h	0.335 mg/l (Scenedesmus subspicatus) (OECD 201)
LC50/96h	0.17 mg/l (Brachydanio rerio)
	0.638 mg/l (Oncorhynchus mykiss) (OECD 203)
	0.044-0.18 mg/l (pimephales promelas) (IUCLID)

- **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**

- **Remark:**

Harmful to fish

- **Additional ecological information:**

- **General notes:**

Harmful to aquatic organisms

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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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.

· European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 10*	packaging containing residues of or contaminated by hazardous substances

· Uncleaned packaging:**· Recommendation:**

Disposal must be made according to official regulations.

Non contaminated packagings may be recycled.

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, ADN, IMDG, IATA**

Void

· 14.2 UN proper shipping name**· ADR, ADN, IMDG, IATA**

Void

· 14.3 Transport hazard class(es)**· ADR, ADN, IMDG, IATA****· Class**

Void

· 14.4 Packing group**· ADR, IMDG, IATA**

Void

· 14.5 Environmental hazards:**· Marine pollutant:**

No

· 14.6 Special precautions for user

Not applicable.

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

· Transport/Additional information:

Not dangerous according to the above specifications.

· UN "Model Regulation":

Void

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.

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· REGULATION (EC) No 1907/2006
ANNEX XVII

Conditions of restriction: 3, 52a

· 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.

· National regulations:

· Information about limitation of use: Employment restrictions concerning juveniles must be observed.
 Employment restrictions concerning pregnant and lactating women must be observed.

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· VOC EU

0.0 g/l

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· Department issuing SDS: Laboratory

· Date of previous version: 26.01.2023

· Version number of previous version: 10

· 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
 ATE: Acute toxicity estimate values
 Org. Perox. E: Organic peroxides – Type E/F
 Acute Tox. 4: Acute toxicity – Category 4

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EU

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

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Trade name: Threadlocker	
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Acute Tox. 3: Acute toxicity – Category 3	
Skin Corr. 1B: Skin corrosion/irritation – Category 1B	
Skin Irrit. 2: Skin corrosion/irritation – Category 2	
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	
Muta. 2: Germ cell mutagenicity – Category 2	
Carc. 2: Carcinogenicity – Category 2	
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3	
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2	
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	