

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Thread Lockers

Revision date: 31.07.2023

Product code: See Product Identifier

Page 1 of 13

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

#### 1.1. Product identifier

Thread Lockers AN 3222, 3243, 3246, 3262, 3266, 3270, 3271, 3272, 3290, 3440, 3540

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

##### Use of the substance/mixture

Adhesives, sealants

##### Uses advised against

Any non-intended use.

#### 1.3. Details of the supplier of the safety data sheet

Company name:	Nohtec GmbH		
Street:	Höhenweg 9		
Place:	D-53937 Schleiden		
Telephone:	+49 (0) 2445 852432	Telefax:	+49 (0) 2445 852433
Internet:	www.zyrobond.com		

#### 1.4. Emergency telephone number:

Poison Information Center (GGIZ Erfurt): +49-361-730730

#### Further Information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No 1272/2008

Eye Irrit. 2; H319  
Skin Sens. 1; H317  
STOT SE 3; H335  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

##### Regulation (EC) No 1272/2008

##### Hazard components for labelling

Polyglycol dimethacrylate  
cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide  
2'-Phenylacetohydrazide

**Signal word:** Warning**Pictograms:**

##### Hazard statements

May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause respiratory irritation.  
Harmful to aquatic life with long lasting effects.

##### Precautionary statements

If medical advice is needed, have product container or label at hand.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Thread Lockers

Revision date: 31.07.2023

Product code: See Product Identifier

Page 2 of 13

Keep out of reach of children.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 Store locked up.  
 Dispose of contents/container to .

### 2.3. Other hazards

The substances in the mixture (> 0.1%) do not meet the PBT/vPvB criteria according to REACH, annex XIII.  
 This product does not contain a substance (> 0,1%) that has endocrine disrupting properties with respect to humans as no components meets the criteria. This product does not contain a substance (> 0,1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
25852-47-5	Polyglycol dimethacrylate			85 - < 90 %
	Skin Sens. 1, Aquatic Chronic 3; H317 H412			
3290-92-4	propylidynetrimethyl trimethacrylate			5 - < 7 %
	221-950-4			
	Aquatic Chronic 2; H411			
80-15-9	cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide			1 - < 3 %
	201-254-7	617-002-00-8		
	Org. Perox. E, Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, STOT RE 2, Aquatic Chronic 2; H242 H331 H312 H302 H314 H373 H411			
114-83-0	2'-Phenylacetohydrazide			0.5 - < 1 %
	204-055-3			
	Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H301 H315 H319 H317 H335			
130-15-4	1,4-naphthoquinone			< 0.1 %
	204-977-6			
	Acute Tox. 1, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H330 H301 H314 H318 H317 H335 H400 H410			

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

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
3290-92-4	221-950-4	propylidynetrimethyl trimethacrylate	5 - < 7 %
	dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg		
80-15-9	201-254-7	cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide	1 - < 3 %
	inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: LD50 = 382 mg/kg Skin Corr. 1B; H314: >= 10 - 100 Skin Irrit. 2; H315: >= 3 - < 10 Eye Dam. 1; H318: >= 3 - < 10 Eye Irrit. 2; H319: >= 1 - < 3 STOT SE 3; H335: >= 1 - 100		
114-83-0	204-055-3	2'-Phenylacetohydrazide	0.5 - < 1 %
	oral: LD50 = 270 mg/kg		
130-15-4	204-977-6	1,4-naphthoquinone	< 0.1 %

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Thread Lockers

Revision date: 31.07.2023

Product code: See Product Identifier

Page 3 of 13

inhalation: ATE = 0,05 mg/l (vapours); inhalation: ATE = 0,005 mg/l (dusts or mists); oral: ATE = 100 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1	
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### Further Information

Product does not contain listed SVHC substances > 0.1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

#### After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

#### After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

See sections 2 and 11

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. Alcohol resistant foam. Atomized water.

#### Unsuitable extinguishing media

High power water jet.

### 5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### General advice

Safe handling: see section 7

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Thread Lockers

Revision date: 31.07.2023

Product code: See Product Identifier

Page 4 of 13

### For non-emergency personnel

Wear personal protection equipment (refer to section 8).

### For emergency responders

No special measures are necessary.

### 6.2. Environmental precautions

Discharge into the environment must be avoided.

### 6.3. Methods and material for containment and cleaning up

#### For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

#### For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Wear suitable protective clothing. See section 8.

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Advice on general occupational hygiene

Always close containers tightly after the removal of product. When using do not eat, drink or smoke. Wash hands before breaks and after work.

#### Further information on handling

General protection and hygiene measures: See section 8.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

#### Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

#### Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20 °C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

### 7.3. Specific end use(s)

See section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

To date, no national critical limit values exist.

### 8.2. Exposure controls

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Thread Lockers

Revision date: 31.07.2023

Product code: See Product Identifier

Page 5 of 13



### Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.  
Provide adequate ventilation.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). EN 166

#### Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time  $\geq$  8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time  $\geq$  8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN 374 derived from it.

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

#### Skin protection

Suitable protective clothing: Lab apron.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-Exceeding exposure limit values

-Insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). type: P1-2

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

#### Environmental exposure controls

Discharge into the environment must be avoided.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	not determined
Odour:	characteristic

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Thread Lockers**

Revision date: 31.07.2023

Product code: See Product Identifier

Page 6 of 13

Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Flammability:		not determined
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		not determined
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value:		not determined
Viscosity / kinematic:		not determined
Water solubility:		not determined
Solubility in other solvents		
not determined		
Dissolution rate:		not relevant
Partition coefficient n-octanol/water:	SECTION 12: Ecological information	
Dispersion stability:		not relevant
Vapour pressure:		not determined
Density:		not determined
Bulk density:		not determined
Relative vapour density:		not determined
Particle characteristics:		not relevant

**9.2. Other information****Information with regard to physical hazard classes**

Explosive properties		
non		
Sustaining combustion:	Not sustaining combustion	
Self-ignition temperature		
Solid:		not relevant
Gas:		not relevant
Oxidizing properties		
non		

**Other safety characteristics**

Evaporation rate:		not determined
Solvent separation test:		not determined
Solvent content:		not determined
Solid content:		not determined
Sublimation point:		not determined
Softening point:		not determined
Pour point:		not determined
Viscosity / dynamic:		not determined
Flow time:		not determined

**Further Information**

No information available.

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

No information available.

**10.2. Chemical stability**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Thread Lockers**

Revision date: 31.07.2023

Product code: See Product Identifier

Page 7 of 13

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.  
Refer to chapter 10.5.

**10.4. Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

**10.5. Incompatible materials**

Materials to avoid: Strong acid. Oxidizing agents, strong. Alkalis (alkalis), concentrated.

**10.6. Hazardous decomposition products**

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicocinetics, metabolism and distribution**

No data available.

**Acute toxicity**

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

**ATEmix calculated**

ATE (oral) 22373 mg/kg; ATE (dermal) 110000 mg/kg; ATE (inhalation vapour) 300,0 mg/l; ATE (inhalation dust/mist) 50,00 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
3290-92-4	propylidynetrimethyl trimethacrylate				
	oral	LD50 >2000 mg/kg	Rat	Echa Dossier	
	dermal	LD50 >2000 mg/kg	Rabbit	Echa Dossier	
80-15-9	cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide				
	oral	LD50 382 mg/kg	Rat	MSDS extern.	
	dermal	ATE 1100 mg/kg			
	inhalation vapour	ATE 3 mg/l			
	inhalation dust/mist	ATE 0,5 mg/l			
114-83-0	2'-Phenylacetohydrazide				
	oral	LD50 270 mg/kg	Mouse.	RTECS	
130-15-4	1,4-naphthoquinone				
	oral	ATE 100 mg/kg			
	inhalation vapour	ATE 0,05 mg/l			
	inhalation dust/mist	ATE 0,005 mg/l			

**Irritation and corrosivity**

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Thread Lockers

Revision date: 31.07.2023

Product code: See Product Identifier

Page 8 of 13

### Sensitising effects

May cause an allergic skin reaction. (Polyglycol dimethacrylate; 2'-Phenylacetohydrazide; 1,4-naphthoquinone)

Respiratory or skin sensitisation:

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

### Carcinogenic/mutagenic/toxic effects for reproduction

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

Trimethylolpropane trimethacrylate:

In-vitro mutagenicity:

Method:

-OECD Guideline 471 (Bacterial Reverse Mutation Assay) = negative. Literature information: ECHA Dossier

-OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) = negative. Literature information: ECHA Dossier

-OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) = positive (with metabolic activation). = negative (without metabolic activation). Literature information: ECHA Dossier

In-vivo mutagenicity:

-OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo) = negative.

Literature information: ECHA Dossier

-OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) = negative. Literature information: ECHA Dossier

Carcinogenicity:

Method: (dermal.)

Species: Mouse

Exposure duration: 18 months.

Result: NOAEL = 833 mg/kg; Literature information: ECHA Dossier

Reproductive toxicity:

Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Species: Rat

Exposure duration: 45d

Result: NOAEL >= 900 mg/kg; Literature information: ECHA Dossier

alpha,alpha-dimethylbenzyl hydroperoxide; cumene hydroperoxide:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: positive.; Literature information: ECHA Dossier; No experimental indications of mutagenicity in-vivo exist. Literature information: ECHA Dossier; In-vivo mutagenicity: Method: other guideline: Standard NTP protocol; Species: Mouse; Result: negative.

Literature information: ECHA Dossier

### STOT-single exposure

May cause respiratory irritation. (cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide)

### STOT-repeated exposure

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

Trimethylolpropane trimethacrylate:

Chronic oral toxicity:

Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Species: Rat

Exposure duration: 45d

Results: NOAEL >= 900 mg/kg

Literature information: ECHA Dossier

alpha,alpha-dimethylbenzyl hydroperoxide; cumene hydroperoxide:

Subchronic inhalation toxicity: Method: -; Species: Rat. Exposure duration: 90d. Result: NOAEC = 31 mg/m3.



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Thread Lockers

Revision date: 31.07.2023

Product code: See Product Identifier

Page 9 of 13

Literature information: ECHA Dossier

### Aspiration hazard

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

### Specific effects in experiment on an animal

No data available.

## 11.2. Information on other hazards

### Endocrine disrupting properties

This product does not contain a substance (> 0,1%) that has endocrine disrupting properties with respect to humans as no components meets the criteria.

### Other information

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
3290-92-4	propylidynetrimethyl trimethacrylate					
	Acute fish toxicity	LC50 2 mg/l	96 h	Oncorhynchus mykiss	ECHA Dossier	
	Acute algae toxicity	ErC50 mg/l 3.88	72 h	Pseudokirchnerella subcapitata	ECHA Dossier	
	Acute crustacea toxicity	EC50 9,22 mg/l	48 h	daphnia magna	ECHA Dossier	

### 12.2. Persistence and degradability

The product has not been tested.

### 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
3290-92-4	propylidynetrimethyl trimethacrylate	3,53

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

### 12.7. Other adverse effects

No data available.

### Further information

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Thread Lockers

Revision date: 31.07.2023

Product code: See Product Identifier

Page 10 of 13

Non-contaminated packages may be recycled.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

### List of Wastes Code - residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

### List of Wastes Code - used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

### List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### Inland waterways transport (ADN)

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

refer to chapter 6 - 8

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Thread Lockers**

Revision date: 31.07.2023

Product code: See Product Identifier

Page 11 of 13

**14.7. Maritime transport in bulk according to IMO instruments**

not relevant

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2010/75/EU (VOC): not determined

2004/42/EC (VOC): not determined

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**Additional information**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII, No (mixture): 3

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

Rev. 1,0; Initial release: 31.07.2023

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of substances and mixtures

DNEL: Derived No Effect Level

d: day(s)

EINECS: European INventory of Existing Commercial chemical Substances

ELINCS: European LList of Notified Chemical Substances

ECHA: European Chemicals Agency

EWC: European Waste Catalogue

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

h: hour

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Thread Lockers**

Revision date: 31.07.2023

Product code: See Product Identifier

Page 12 of 13

LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 NOAEL: No observed adverse effect level  
 NOAEC: No observed adverse effect concentration  
 NLP: No-Longer Polymers  
 N/A: not applicable  
 OECD: Organisation for Economic Co-operation and Development  
 PNEC: predicted no effect concentration  
 PBT: Persistent bioaccumulative toxic  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
 REACH: Registration, Evaluation, Authorisation of Chemicals  
 SVHC: substance of very high concern  
 TRGS: Technische Regeln für Gefahrstoffe  
 UN: United Nations  
 VOC: Volatile Organic Compounds  
 WGK: Water Hazard Class (Germany)

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H335	Calculation method
Aquatic Chronic 3; H412	Calculation method

**Relevant H and EUH statements (number and full text)**

Heating may cause a fire.  
 Toxic if swallowed.  
 Harmful if swallowed.  
 Harmful in contact with skin.  
 Causes severe skin burns and eye damage.  
 Causes skin irritation.  
 May cause an allergic skin reaction.  
 Causes serious eye damage.  
 Causes serious eye irritation.  
 Fatal if inhaled.  
 Toxic if inhaled.  
 May cause respiratory irritation.  
 May cause damage to organs through prolonged or repeated exposure.  
 Very toxic to aquatic life.  
 Very toxic to aquatic life with long lasting effects.  
 Toxic to aquatic life with long lasting effects.  
 Harmful to aquatic life with long lasting effects.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Thread Lockers

Revision date: 31.07.2023

Product code: See Product Identifier

Page 13 of 13

the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*