

# Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 22.10.2021

Version: 4.0

Date previous version: 01.02.2021

Previous version: 3.0

Product: **Naftoseal MC-115**

(ID no. 30691250/SDS\_GEN\_GB/EN)

Date of print 25.04.2022

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

### 1.1. Product identifier

## Naftoseal MC-115

UFI: AMV3-E61T-X00V-SF0H

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

Recommended use: Primer, Restricted to professional users.

Not recommended use: Uses other than recommended

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

Company:

Chemetall GmbH  
Trakehner Straße, 3  
60487, Frankfurt am Main  
Germany  
+49(0)69 7165-0  
sds.global-chemetall@basf.com

Contact address:

Chemetall Ltd.  
Denbigh Road 65  
Bletchley Milton Keynes MK1 1PB  
Great Britain

Telephone: +44 1908 649333

E-mail address: sds.global-chemetall@basf.com

### 1.4. Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

According to Regulation (EC) No 1272/2008 [CLP]

Eye Dam./Irrit. 1

H318 Causes serious eye damage.

STOT SE 3

H336 May cause drowsiness or dizziness.

Flam. Liq. 3

H226 Flammable liquid and vapour.

Repr. 2

H361d Suspected of damaging the unborn child.

For the classifications not written out in full in this section the full text can be found in section 16.

### 2.2. Label elements

Globally Harmonized System, EU (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H226

Flammable liquid and vapour.

H318

Causes serious eye damage.

H336

May cause drowsiness or dizziness.

H361d

Suspected of damaging the unborn child.

Precautionary Statements (Prevention):

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P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

**Precautionary Statements (Response):**

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P310	Immediately call a POISON CENTER or physician.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical attention.

**Precautionary Statements (Storage):**

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

**Precautionary Statements (Disposal):**

P501	Dispose of contents and container to hazardous or special waste collection point.
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According to Regulation (EC) No 1272/2008 [CLP]

Hazard determining component(s) for labelling: 2-methylpropan-1-ol, 1-methoxy-2-propanol, Titanium tetraisopropanolate, 5-Methylhexan-2-one

### 2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

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## SECTION 3: Composition/Information on Ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

#### Chemical nature

organic solvent

#### Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

#### propan-2-ol

Content (W/W):  $\geq 1\%$  -  $< 2\%$

CAS Number: 67-63-0

EC-Number: 200-661-7

REACH registration number: 01-2119457558-25

INDEX-Number: 603-117-00-0

Flam. Liq. 2

Eye Dam./Irrit. 2

STOT SE 3 (drowsiness and dizziness)

H225, H319, H336

#### 2-methylpropan-1-ol

Content (W/W):  $\geq 7\%$  -  $< 10\%$

CAS Number: 78-83-1

EC-Number: 201-148-0

REACH registration number: 01-2119484609-23

Flam. Liq. 3

Skin Corr./Irrit. 2

Eye Dam./Irrit. 1

STOT SE 3 (drowsiness and dizziness)

STOT SE 3 (irr. to respiratory syst.)

H226, H318, H315, H336, H335

#### 1-methoxy-2-propanol

Content (W/W):  $\geq 50\%$  -  $< 75\%$

CAS Number: 107-98-2

EC-Number: 203-539-1

REACH registration number: 01-2119457435-35

INDEX-Number: 603-064-00-3

Flam. Liq. 3

STOT SE 3 (drowsiness and dizziness)

H226, H336

#### Titanium tetraisopropanolate

Content (W/W):  $\geq 5\%$  -  $< 7\%$

CAS Number: 546-68-9

EC-Number: 208-909-6

REACH registration number: 01211948975519

Flam. Liq. 3

STOT SE 3 (drowsiness and dizziness)

Eye Dam./Irrit. 2

H319, H226, H336

Bis(pentane-2,4-dionato-O,O')bis(propan-2-olato)titanium

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Content (W/W):  $\geq 3\%$  -  $< 5\%$       Eye Dam./Irrit. 2  
 CAS Number: 17927-72-9      H319  
 EC-Number: 241-866-1  
 REACH registration number: 01-2119950682-34

#### 5-Methylhexan-2-one

Content (W/W):  $\geq 3\%$  -  $< 5\%$       Flam. Liq. 3  
 CAS Number: 110-12-3      Acute Tox. 4 (Inhalation - vapour)  
 EC-Number: 203-737-8      Repr. 2 (unborn child)  
 REACH registration number: 01-2119472300-51      H332, H226, H361d

#### 2-methoxypropanol

Content (W/W):  $\geq 0.2\%$  -  $< 0.3\%$       Flam. Liq. 3  
 CAS Number: 1589-47-5      Skin Corr./Irrit. 2  
 EC-Number: 216-455-5      Eye Dam./Irrit. 1  
    Repr. 1B (unborn child)  
    STOT SE 3 (irr. to respiratory syst.)  
    H318, H315, H226, H335, H360D

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

## SECTION 4: First-Aid Measures

### 4.1. Description of first aid measures

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

#### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

#### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

#### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

#### On ingestion:

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Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

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

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

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

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## **SECTION 5: Fire-Fighting Measures**

### **5.1. Extinguishing media**

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

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

Endangering substances: carbon oxides

Advice: Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

### **5.3. Advice for fire-fighters**

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## **SECTION 6: Accidental Release Measures**

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

Use personal protective clothing. Avoid breathing vapours. Keep away from sources of ignition. Ensure adequate ventilation. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

### **6.2. Environmental precautions**

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

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

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

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regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

#### **6.4. Reference to other sections**

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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## **SECTION 7: Handling and Storage**

### **7.1. Precautions for safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

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

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethyleneterephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate), Aluminium, Stove-lacquer R 78433, Stove-lacquer EHD0022

Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

Storage stability:

Storage temperature: < 26 °C

Storage duration: 6 Months

### **7.3. Specific end use(s)**

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## **SECTION 8: Exposure Controls/Personal Protection**

### **8.1. Control parameters**

Components with occupational exposure limits

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67-63-0: propan-2-ol

TWA value 999 mg/m<sup>3</sup> ; 400 ppm (WEL/EH 40 (UK))  
 STEL value 1,250 mg/m<sup>3</sup> ; 500 ppm (WEL/EH 40 (UK))  
 Ceiling limit value/factor: 15 min

78-83-1: 2-methylpropan-1-ol

TWA value 154 mg/m<sup>3</sup> ; 50 ppm (WEL/EH 40 (UK))  
 STEL value 231 mg/m<sup>3</sup> ; 75 ppm (WEL/EH 40 (UK))  
 Ceiling limit value/factor: 15 min

107-98-2: 1-methoxy-2-propanol

TWA value 375 mg/m<sup>3</sup> ; 100 ppm (WEL/EH 40 (UK))  
 Skin Designation (WEL/EH 40 (UK))  
 The substance can be absorbed through the skin.  
 STEL value 568 mg/m<sup>3</sup> ; 150 ppm (OEL (EU))  
 indicative  
 Skin Designation (OEL (EU))  
 The substance can be absorbed through the skin.  
 TWA value 375 mg/m<sup>3</sup> ; 100 ppm (OEL (EU))  
 indicative  
 STEL value 560 mg/m<sup>3</sup> ; 150 ppm (WEL/EH 40 (UK))  
 Ceiling limit value/factor: 15 min

110-12-3: 5-Methylhexan-2-one

TWA value 95 mg/m<sup>3</sup> ; 20 ppm (WEL/EH 40 (UK))  
 Skin Designation (WEL/EH 40 (UK))  
 The substance can be absorbed through the skin.  
 TWA value 95 mg/m<sup>3</sup> ; 20 ppm (OEL (EU))  
 indicative  
 STEL value 475 mg/m<sup>3</sup> ; 100 ppm (WEL/EH 40 (UK))  
 Ceiling limit value/factor: 15 min

Biological limit values (BLV)

No data available.

Components with PNEC

67-63-0: propan-2-ol

freshwater: 140.9 mg/l  
 marine water: 140.9 mg/l  
 intermittent release: 140.9 mg/l  
 STP: 2251 mg/l  
 sediment (freshwater): 552 mg/kg  
 sediment (marine water): 552 mg/kg  
 soil: 28 mg/kg  
 oral (secondary poisoning): 160 mg/kg

78-83-1: 2-methylpropan-1-ol

freshwater: 0.4 mg/l  
 marine water: 0.04 mg/l  
 intermittent release: 11 mg/l  
 sediment (freshwater): 1.56 mg/kg  
 sediment (marine water): 0.156 mg/kg  
 soil: 0.0765 mg/kg  
 STP: 10 mg/l

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107-98-2: 1-methoxy-2-propanol  
 freshwater: 10 mg/l  
 marine water: 1 mg/l  
 intermittent release: 100 mg/l  
 STP: 100 mg/l  
 sediment (freshwater): 41.6 mg/kg  
 soil: 2.47 mg/kg  
 sediment (marine water): 4.17 mg/kg

546-68-9: Titanium tetraisopropanolate  
 freshwater: 0.59 mg/l  
 marine water: 0.059 mg/l  
 intermittent release: 5.9 mg/l  
 STP: 105 mg/l  
 sediment (freshwater): 0.482 mg/kg  
 sediment (marine water): 0.0482 mg/kg  
 soil: 0.112 mg/kg

110-12-3: 5-Methylhexan-2-one  
 freshwater: 0.1 mg/l  
 marine water: 0.01 mg/l  
 STP: 100 mg/l  
 sediment (freshwater): 0.12 mg/kg  
 sediment (marine water): 0.112 mg/kg  
 soil: 0.166 mg/kg

#### Components with DNEL

67-63-0: propan-2-ol  
 worker: Long-term exposure- systemic effects, Inhalation: 500 mg/m<sup>3</sup>  
 worker: Long-term exposure- systemic effects, dermal: 888 mg/kg  
 consumer: Long-term exposure- systemic effects, Inhalation: 89 mg/m<sup>3</sup>  
 consumer: Long-term exposure- systemic effects, dermal: 319 mg/kg  
 consumer: Long-term exposure- systemic effects, oral: 26 mg/kg

78-83-1: 2-methylpropan-1-ol  
 worker: Long-term exposure - local effects, Inhalation: 310 mg/m<sup>3</sup>  
 consumer: Long-term exposure - local effects, Inhalation: 55 mg/m<sup>3</sup>

107-98-2: 1-methoxy-2-propanol  
 worker: Short-term exposure - systemic and local effects, Inhalation: 553.5 mg/m<sup>3</sup>  
 worker: Long-term exposure- systemic effects, dermal: 183 mg/kg  
 worker: Long-term exposure- systemic effects, Inhalation: 369 mg/m<sup>3</sup>  
 consumer: Long-term exposure- systemic effects, dermal: 78 mg/kg  
 consumer: Long-term exposure- systemic effects, Inhalation: 43.9 mg/m<sup>3</sup>  
 consumer: Long-term exposure- systemic effects, oral: 33 mg/kg

546-68-9: Titanium tetraisopropanolate  
 worker: Long-term exposure- systemic effects, Inhalation: 500 mg/m<sup>3</sup>

17927-72-9: Bis(pentane-2,4-dionato-O,O')bis(propan-2-olato)titanium

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consumer: Long-term exposure- systemic effects, by inhalation: 7.387333 mg/m<sup>3</sup>

Repeated dose toxicity

consumer: Long-term exposure- systemic effects, oral: 17.075821 mg/kg

Repeated dose toxicity

worker: Long-term exposure- systemic effects, dermal: 16.990867 mg/kg

Repeated dose toxicity

consumer: Long-term exposure- systemic effects, dermal: 8.495433 mg/kg

Repeated dose toxicity

worker: Long-term exposure- systemic effects, by inhalation: 29.957581 mg/m<sup>3</sup>

Repeated dose toxicity

110-12-3: 5-Methylhexan-2-one

worker: Short-term exposure - systemic effects, Inhalation: 818 mg/m<sup>3</sup>

worker: Long-term exposure- systemic effects, Inhalation: 95 mg/m<sup>3</sup>

worker: Long-term exposure- systemic effects, dermal: 8 mg/kg bw/day

## 8.2. Exposure controls

### Appropriate engineering controls

Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

### Personal protective equipment

Respiratory protection:

Respiratory protection required if exposure limit (if available) may be exceeded (Gas filter EN 14387 A)

Hand protection:

nitrile rubber (Buna N)

Wear protective gloves of neoprene.

Use suitable protective gloves made of nitrile rubber or butyl rubber. Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

Chemical resistant protective gloves (EN ISO 374-1)

Further information on penetration time is available from the manufacturer of the glove.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

### General safety and hygiene measures

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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#### Environmental exposure controls

For information regarding environmental exposure controls, see Section 6.

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## SECTION 9: Physical and Chemical Properties

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

Form:	liquid
Colour:	red
Odour:	solvent-like
pH value:	
	substance/mixture is non-polar/aprotic
Melting point:	
	not determined
onset of boiling:	85 °C
Flash point:	> 30 °C
Flammability:	Flammable liquid and vapour.
Lower explosion limit:	
	not determined
Ignition temperature:	
	not determined
Vapour pressure:	
	(20 °C) not determined
	(50 °C) not determined
Density:	0.910 g/cm <sup>3</sup> (20 °C)
Viscosity, dynamic:	17 mPa.s (< 20 °C) Brookfield
Viscosity, kinematic:	(40 °C) not determined
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating

### 9.2. Other information

Self heating ability:	It is not a substance capable of spontaneous heating.
Miscibility with water:	immiscible

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## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

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No hazardous reactions if stored and handled as prescribed/indicated.

### **10.2. Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

### **10.3. Possibility of hazardous reactions**

Vapours may form ignitable mixture with air.

### **10.4. Conditions to avoid**

Avoid all sources of ignition: heat, sparks, open flame. Avoid direct sunlight.

### **10.5. Incompatible materials**

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### **10.6. Hazardous decomposition products**

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

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## **SECTION 11: Toxicological Information**

### **11.1. Information on toxicological effects**

#### Acute toxicity

Assessment of acute toxicity:

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

Experimental/calculated data:

ATE (by inhalation): > 20 mg/l 4 h (calculated)

The vapour was tested.

#### Irritation

Assessment of irritating effects:

Not irritating to the skin. May cause severe damage to the eyes.

#### Respiratory/Skin sensitization

Assessment of sensitization:

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

#### Germ cell mutagenicity

Assessment of mutagenicity:

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

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#### Carcinogenicity

Assessment of carcinogenicity:

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

#### Reproductive toxicity

Assessment of reproduction toxicity:

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

#### Developmental toxicity

Assessment of teratogenicity:

Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

#### Specific target organ toxicity (single exposure)

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

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

#### Aspiration hazard

No aspiration hazard expected.

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## **SECTION 12: Ecological Information**

### **12.1. Toxicity**

Assessment of aquatic toxicity:

There are no test results available for this product. Do not allow to enter drains or waterways. The mixture has been assessed following regulation (EC) No 1272/2008 and is not classified as dangerous for the environment.

### **12.2. Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

No data available concerning biodegradation and elimination.

### **12.3. Bioaccumulative potential**

Bioaccumulation potential:

No data available.

### **12.4. Mobility in soil**

Assessment transport between environmental compartments:

Chemetall (now part of BASF Group) Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

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Adsorption in soil: No data available.

## 12.5. Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

## 12.6. Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

## 12.7. Additional information

Other ecotoxicological advice:

Do not allow to enter drains or waterways. The product should not be allowed to reach either ground or open waters.

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# SECTION 13: Disposal Considerations

## 13.1. Waste treatment methods

Observe national and local legal requirements.

Waste key:

Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging:

Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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# SECTION 14: Transport Information

## Land transport

ADR

UN number	UN3092
UN proper shipping name:	1-METHOXY-2-PROPANOL
Transport hazard class(es):	3
Packing group:	III
Environmental hazards:	no
Special precautions for user:	Tunnel code: D/E

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#### RID

UN number: UN3092  
UN proper shipping name: 1-METHOXY-2-PROPANOL  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no  
Special precautions for user:

#### Inland waterway transport

##### ADN

UN number: UN3092  
UN proper shipping name: 1-METHOXY-2-PROPANOL  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no  
Special precautions for user:

#### Transport in inland waterway vessel

Not evaluated

#### Sea transport

##### IMDG

UN number: UN 3092  
UN proper shipping name: 1-METHOXY-2-PROPANOL  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user:

#### Air transport

##### IATA/ICAO

UN number: UN 3092  
UN proper shipping name: 1-METHOXY-2-PROPANOL  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user:

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#### **14.1. UN number**

See corresponding entries for "UN number" for the respective regulations in the tables above.

#### **14.2. UN proper shipping name**

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

#### **14.3. Transport hazard class(es)**

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

#### **14.4. Packing group**

See corresponding entries for "Packing group" for the respective regulations in the tables above.

#### **14.5. Environmental hazards**

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

#### **14.6. Special precautions for user**

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

#### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

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### **SECTION 15: Regulatory Information**

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

##### Prohibitions, Restrictions and Authorizations

Annex XVII of Regulation (EC) No 1907/2006: Number on List: 3, 40, 30

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):  
Listed in above regulation: Flammable liquids, Categories 2 or 3 not covered by P5a and P5b

#### **15.2. Chemical Safety Assessment**

Chemical Safety Assessment not required

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### **SECTION 16: Other Information**

Restricted to professional users.

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Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Eye Dam./Irrit.	Serious eye damage/eye irritation
STOT SE	Specific target organ toxicity — single exposure
Flam. Liq.	Flammable liquids
Repr.	Reproductive toxicity
Skin Corr./Irrit.	Skin corrosion/irritation
Acute Tox.	Acute toxicity
H226	Flammable liquid and vapour.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H332	Harmful if inhaled.
H360D	May damage the unborn child.

#### Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.