

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

Printing date 10.03.2026

Version number 1.00

Revision: 10.03.2026

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

#### 1.1 Product identifier

Trade name: **CLASSIC HAMDIR UM 46 HLP-D ZF**

#### 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 hydraulic fluid

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

##### Manufacturer/Supplier:

CLASSIC Schmierstoff GmbH & Co. KG

Lange Straße 100-106

D-27318 HOYA

GERMANY

Phone: +49 (4251) - 8120

products@classic-oil.de

Further information obtainable from: product management

1.4 Emergency telephone number: 24-hour emergency contact number : +1 872 5888271 (CSG)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

##### Additional information:

EUH210 Safety data sheet available on request.

2.3 Other hazards For information or further instructions, see also section 11 or 12.

##### Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

Determination of endocrine-disrupting properties No ingredient is listed.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

##### Dangerous components:

CAS: 64742-56-9 EINECS: 265-159-2 Reg.nr.: 01-2119480132-48	Distillates (petroleum), solvent-dewaxed light paraffinic, base oil - unspecified ⚠ Asp. Tox. 1, H304	5-<7%
EC number: 931-384-6 Reg.nr.: 01-2119493620-38	Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxides, propylene oxides and amines, C12-14-alkyl (branched) ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 50 % Skin Sens. 1; H317: C ≥ 9.39 %	0.1-<0.2%

##### SVHC

This product contains no substances of very high concern (SVHC) (>0,1%) which are included in the Candidate List according to Article 59 of REACH.

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**Additional information:**

Note N: The harmonised classification as carcinogenic is applied unless the whole refining process is known and it can be demonstrated that the starting material is not carcinogenic.  
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:** In case of accident or unwellness, seek medical advice immediately.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. In case of skin irritation, seek medical treatment.

**After eye contact:**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

**After swallowing:**

Rinse mouth thoroughly with water. Do NOT induce vomiting. Consult a doctor immediately. Rinse mouth. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell.  
Never give anything by mouth to an unconscious person

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

If swallowed or vomited, danger of entering the lungs.

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

Symptomatic treatment.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**

Sand. Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. In case of major fire and large quantities: Water spray jet. Water mist.

Use fire extinguishing methods suitable to surrounding conditions.

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

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

When burning strong soot development

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>) Sulphur dioxide (SO<sub>2</sub>) Nitrogenoxides (NO<sub>x</sub>)

**5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

**Protective equipment:** Wear self-contained respiratory protective device.

**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**

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

**For non-emergency personnel** Personal protective equipment

**6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

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

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Do not allow to penetrate the ground/soil.

### 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

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

Wear suitable protective clothing when working.

Avoid oil mist formation

#### Information about fire - and explosion protection:

Usual measures of preventive fire protection

Keep ignition sources away - Do not smoke.

Fire class B

#### Handling:

Information on general hygiene measures at the workplace:

Ensure thorough skin cleansing and skin care after work.

Do not carry product-soaked cleaning rags in trouser pockets.

Do not breathe vapour/aerosol. Avoid contact with eyes and skin.

Advices on general occupational hygiene: See section 8.

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

#### Storage:

##### Requirements to be met by storerooms and receptacles:

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

Use only receptacles specifically permitted for this substance/product.

##### Information about storage in one common storage facility:

Do not store together with: Gas. Explosives. Oxidizing substances. Radioactive substances. Infectious substances.

##### Further information about storage conditions:

Temperature control required. Protect from light. Keep container tightly closed. Do not allow contact with air.

**Storage class:** 10 (TRGS 510)

**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

**CAS: 64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic, base oil - unspecified**

Oral	DNEL(long/systemic)	0.74 mg/kg bw/d (Consumer)
Dermal	DNEL(long/systemic)	0.97 mg/kg bw/d (worker)
Inhalative	DNEL(long/systemic)	2.73 mg/m3 (worker)
	DNEL (long/local)	5.58 mg/m3 (worker)

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		1.19 mg/m <sup>3</sup> (Consumer)
<b>Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxides, propylene oxides and amines, C12-14-alkyl (branched)</b>		
Oral	long-term, oral, systemic	0.25 mg/kg KG/d consumer
Dermal	DNEL, long-term, dermal, systemic	12.5 mg/kg KG/d workers
	DNEL, long-term, dermal, systemic	6.25 mg/kg KG/d consumer
	acute, dermal, local	0.024 mg/cm <sup>2</sup> consumer
Inhalative	DNEL, long-term, inhalation, systemic	4.28 mg/m <sup>3</sup> workers
	DNEL, long-term, inhalation, systemic	1.09 mg/m <sup>3</sup> consumer

### PNECs

**CAS: 64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic, base oil - unspecified**

PNEC Secondary poisoning 9.33 mg/kg

**Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxides, propylene oxides and amines, C12-14-alkyl (branched)**

PNEC (Freshwater)	0.0024 mg/l
Freshwater (intermittent releases)	0.15 mg/l
PNEC (Seawater)	0.00024 mg/l
PNEC Wastewater treatment plant	24.33 mg/l
PNEC (freshwater sediment)	0.0129 mg/kg
PNEC (Seawater sediment)	0.00129 mg/kg
PNEC (ground)	0.00117 mg/kg
PNEC Secondary poisoning	10 mg/kg

### Additional information:

Additional information on limit values

Airborne limit values:

Possibility of exposure to aerosol (mineral oil ).

Limit value (TLV-TWA ) = 5 mg/m<sup>3</sup> - Source: ACGIH

TLV-STEL = 10 mg/m<sup>3</sup> - Source: ACGIH

STEL: short-term exposure limits

TLV: Threshold Limiting Value

TWA: time weighted average

ACGIH: American Conference of Governmental Industrial Hygienists

The data sheets of the upstream suppliers and lists valid at the time of production serve as a basis.

### 8.2 Exposure controls

**Appropriate engineering controls** Ensure good ventilation of the work station.

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

**General protective and hygienic measures:** Wash hands before breaks and at the end of work.

**Respiratory protection:**

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at:

-aerosol or mist formation

-Exceeding exposure limit values

Suitable respiratory protection apparatus: Respiratory equipment in case of nebulosity or aerosol: Use a mask with a filter type A2, A2/P2 or ABEK.

The respiratory protection filter class must be adapted to the maximum pollutant concentration (gas/vapour/aerosol/particles) that can arise when handling the product. If the concentration is exceeded, insulating equipment must be used!

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### Hand protection



Protective gloves

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

Use safety gloves of following materials: NBR (nitrile) / neopren / viton (permeationslevel 5 - 6), Cat. II according to norm EN 347/EN 388.

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.

### Eye/face protection



Tightly sealed goggles

Safety goggles with side shield, in case of increased splash hazard additional face shield. DIN EN 166

#### Body protection:

Heavy flammable, oil-repellent protective clothing

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

#### Thermal hazards

Wear protective clothing when working with hot material: heat-resistant overalls (with trouser legs over the boots and sleeves over the glove cuffs), heat-resistant, high-performance, non-slip boots (e.g. leather).

**Environmental exposure controls** There are no data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

<b>Physical state</b>	Liquid
<b>Colour:</b>	Clear
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined
<b>Melting point/freezing point:</b>	Undetermined
<b>Boiling point or initial boiling point and boiling range</b>	Undetermined
<b>Flammability</b>	Not applicable
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined
<b>Upper:</b>	Not determined
<b>Flash point:</b>	234 °C
<b>Decomposition temperature:</b>	Not determined
<b>pH</b>	Not determined

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<b>Viscosity:</b>	
<b>Kinematic viscosity at 40 °C</b>	46.3 mm <sup>2</sup> /s (DIN EN ISO 3104)
<b>Dynamic:</b>	Not determined
<b>Solubility</b>	
<b>water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Density and/or relative density</b>	
<b>Density at 15 °C:</b>	0.882 g/cm <sup>3</sup> (DIN 51757)
<b>Relative density</b>	Not determined
<b>Vapour density</b>	Not determined
<b>Particle characteristics</b>	Does not apply to liquids.

### 9.2 Other information

<b>Appearance:</b>	
<b>Form:</b>	Fluid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Not determined
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Change in condition</b>	
<b>Drip point:</b>	
<b>Pour point</b>	-24 °C (ASTM D 5985)
<b>Evaporation rate</b>	Not determined

### Information with regard to physical hazard classes

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

## SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

### 10.2 Chemical stability

#### Thermal decomposition / conditions to be avoided:

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

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

Refer to chapter 10.5.

**10.4 Conditions to avoid** No further relevant information available.

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**10.5 Incompatible materials:** Oxidising agent, strong

**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:

**CAS: 64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic, base oil - unspecified**

Oral	LD50 oral	>5,000 mg/kg (Rat) (ECHA Dossier)
Dermal	LD50 dermal	>5,000 mg/kg (rabbit) (ECHA Dossier)
Inhalative	LC50/4h	>5.53 mg/l /Aerosol (Rat) (ECHA Dossier)

**Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxides, propylene oxides and amines, C12-14-alkyl (branched)**

Oral	LD50 oral	>2,000 mg/kg (Rat) (OECD Guideline 401)
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#### Primary irritant effect:

**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

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

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

Distillates (petroleum), solvent-dewaxed light paraffinic; Base oil - unspecified:

Subchronic oral toxicity:

Exposure duration: 90d; Species: Sprague-Dawley rat.;

Method: OECD Guideline 408;

Result: LOAEL = 125 mg/kg; Reference: ECHA Dossier;

Subacute inhalation toxicity :

Exposure duration: 28d; Species: Sprague-Dawley rat;

Result: NOAEC > 980 mg/m<sup>3</sup>; Reference: ECHA dossier;

Subacute dermal toxicity:

Exposure duration: 28d; Species: rabbit;

Method: OECD Guideline 410;

Result: NOAEL 1000 mg/kg; Reference: ECHA Dossier

Reaction products of bis (4-methyl-pentan-2-yl) dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched):

Subacute oral toxicity:

Method: -; Species: Rat;

Result: NOAEL = 150 mg/kg; Literature reference: ECHA dossier

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

#### Additional toxicological information:

Oral	ATE	>2,000 mg/kg (Calculated)
Dermal	ATE	>2,000 mg/kg (Calculated)
Inhalative	ATE Dust/Mist	>5 mg/L (Calculated)
	ATE Vapour	>20 mg/L (Calculated)

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

Distillates (petroleum), solvent-dewaxed light paraffinic; Base oil - unspecified:

In vitro mutagenicity/genotoxicity:

Method:

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OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test),  
OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test),  
OECD Guideline 471 (Bacterial Reverse Mutation Assay);  
Result: negative. Literature reference: ECHA dossier;  
Chronic dermal toxicity: Exposure duration: ~546 d;  
Species: Mouse;  
Method: OECD Guideline 451;  
Result: Carcinogenicity = negative. Literature reference: ECHA dossier;  
Reproductive toxicity:  
Route of exposure: oral. Species: Rat;  
Method: OECD Guideline 421;  
Result: NOAEL >1000 mg/kg; Reference: ECHA dossier;  
Developmental toxicity / teratogenicity:  
Route of exposure: dermal. Species: Rat;  
Method: OECD Guideline 414;  
Result: NOAEL >2000 mg/kg; Bibliography: ECHA Dossier

Reaction products of bis (4-methyl-pentan-2-yl) dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched):

In vitro mutagenicity/genotoxicity:

Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test);

Result: negative Literature reference: ECHA dossier;

Reproductive toxicity:

Species: Rat (Wistar);

Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test);

Result: NOAEL = 150 mg/kg Literature reference: ECHA dossier;

Developmental toxicity / teratogenicity:

Species: Rat (Wistar);

Method: other guideline: Reproduction/developmental screening test.

Result: NOAEL = 150 mg/kg; Reference: ECHA dossier.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

This product does not contain any substance (> 0.1%) with endocrine disrupting properties towards non-target organisms, as no ingredient fulfils the criteria.

None of the ingredients is listed.

**Other information** Frequent contact may cause skin and eye irritation, especially after drying.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

**CAS: 64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic, base oil - unspecified**

ErC50 >100 mg/l /(72h) (Pseudokirchnerella subcapitata)

NOEC 10 mg/l /(21d) (Daphnia magna)

EC50 >10,000 mg/L /(48h) (Daphnia magna)

LC50 >100 mg/L /(96h) (Pimephales promelas)

**Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxides, propylene oxides and amines, C12-14-alkyl (branched)**

ErC50 6.4 mg/l /(96h) (Pseudokirchnerella subcapitata) (OECD 201)

EL50 ~91.4 mg/l /(48h) (Daphnia magna) (OECD 202)

EC50 2,433 mg/L (Bacteria)

LC50 8.5 mg/L /(96h) (Oncorhynchus mykiss) (OECD 203)

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### 12.2 Persistence and degradability

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

#### CAS: 64742-56-9 Distillates (petroleum), solvent-dewaxed light paraffinic, base oil - unspecified

Persistence and degradability	2-4 % /(28d) (OECD 301B / ISO 9439 / EEC 92/69 Annex V,C.4-C) Not easily bio-degradable (according to OECD-criteria).
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#### Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxides, propylene oxides and amines, C12-14-alkyl (branched)

Persistence and degradability	3.6 % /(28d) ASTM D-5864-95 not easily degradable
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### 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

#### Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxides, propylene oxides and amines, C12-14-alkyl (branched)

BCF	436 (Oncorhynchus mykiss)
Partition coefficient n-octanol/water	<0.3

### 12.4 Mobility in soil

No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not fulfil the PBT/vPvB criteria according to REACH, Annex XIII. The above statement applies to the substances contained in the product from 0.1 %.

**PBT:** Not applicable

**vPvB:** Not applicable

### 12.6 Endocrine disrupting properties

This product does not contain any substance with endocrine disrupting properties towards non-target organisms, as no ingredient fulfils the criteria.

The above statement applies to the substances contained in the product from 0.1 %.

The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects

**Other information:** Ozone depletion potential (ODP): No information available.

#### Additional ecological information:

##### General notes:

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

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Recommendation** Dispose of waste according to applicable legislation.

#### European waste catalogue

15 01 10*	packaging containing residues of or contaminated by hazardous substances
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#### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR, IMDG, IATA	not regulated
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### 14.2 UN proper shipping name

ADR, IMDG, IATA	not regulated
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### 14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA  
Class

not regulated

### 14.4 Packing group

ADR, IMDG, IATA

not regulated

### 14.5 Environmental hazards:

Not applicable

### 14.6 Special precautions for user

Not applicable

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable

UN "Model Regulation":

not regulated

## SECTION 15: Regulatory information

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

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Directive 2004/42/EC There is no information available.

Directive 2012/18/EU

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

Seveso category Not subject to 2012/18/EU (SEVESO III)

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 75

**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.

**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:**

**Technical instructions (air):**

Technical Instructions on Air Quality I (Germany):

5.2.5: Organic substances, to be indicated as total carbon at  $m \geq 0.50$  kg/h: Conc. 50 mg/m<sup>3</sup>.

Proportion: >99 %

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

**Other regulations, limitations and prohibitive regulations**

Directive 2010/75/EU on industrial emissions: No information available.

The national legal regulations must also be observed!

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**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.

#### Relevant phrases

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

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

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: Based on test data

**Department issuing SDS:** product management

#### 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

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2