



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)  
and Regulation (EU) No 2015/830

Revision date: 14/3/2016  
Version: 2  
Language: en-GB,IE  
Date of print: 18/3/2016

## ANAEROBE KLEBSTOFFE

Material number ANAEROBE Kategorie C#

Page: 1 of 11

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

#### 1.1 Product identifier

Trade name: ANAEROBE KLEBSTOFFE  
This safety data sheet pertains to the following products:  
02K72.T250/Z50: Schraubensicherung 02K72 niedrigfest, 250ml/50ml  
02K75.F250/F50: Schraubensicherung 02K75 hoch- und wärmebeständig, 250ml/50ml  
05K10.K310/T250/Z50: Flächendichtung 05K10 hoch- und wärmebeständig, 310ml/250ml/50ml

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

General use: Adhesive

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

Company name: GLUETEC Industrieklebstoffe GmbH & Co. KG  
Street/POB-No.: Am Biotop 8a  
Postal Code, city: 97259 Greußenheim  
Germany  
WWW: [www.gluetec.de](http://www.gluetec.de)  
E-mail: [info@gluetec.de](mailto:info@gluetec.de)  
Telephone: +49 (0)9369-98 36-0  
Telefax: +49 (0)9369-98 36-10  
Dept. responsible for information:  
Department QS, Telephone: +49 (0)9369-98 36-0, E-mail: [technik@gluetec.de](mailto:technik@gluetec.de)

#### 1.4 Emergency telephone number

GIZ-Nord, Göttingen, Germany,  
Telephone: +49 551-19240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to EC regulation 1272/2008 (CLP)

Skin Irrit. 2; H315	Causes skin irritation.
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.
Aquatic Chronic 3; H412	Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (CLP)



Signal word:

**Warning**



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Hazard statements:	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
	H412	Harmful to aquatic life with long lasting effects.
Precautionary statements:		
	P102	Keep out of reach of children.
	P261	Avoid breathing vapours.
	P271	Use only outdoors or in a well-ventilated area.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection.
	P302+P352	IF ON SKIN: Wash with plenty of water/soap.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P312	Call a POISON CENTER/doctor if you feel unwell.
	P405	Store locked up.
	P501	Dispose of contents/container to hazardous or special waste collection point.

### Special labelling

Text for labelling: Contains: 2-Hydroxyethyl methacrylate; Acrylic acid and Cumene hydroperoxide

### 2.3 Other hazards

People who suffer from skins problems, asthma, allergies, chronic or recurring respiratory illnesses must not be deployed in processes, which use this substance.

Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

## SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: Methacrylate-based adhesive.



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Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 221-950-4 CAS 3290-92-4	Propylidynetrimethyl trimethacrylate	20 - 25 %	Aquatic Chronic 2; H411.
EC No. 212-782-2 CAS 868-77-9	2-Hydroxyethyl methacrylate	10 - 15 %	Skin Irrit. 2; H315. Eye Irrit. 2; H319. Skin Sens. 1; H317.
EC No. 201-177-9 CAS 79-10-7	Acrylic acid	< 3 %	Flam. Liq. 3; H226. Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 4; H332. Skin Corr. 1A; H314. Aquatic Acute 1; H400.
EC No. 201-254-7 CAS 80-15-9	Cumene hydroperoxide	< 2.5 %	Org. Perox. EF; H242. Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 3; H331. Skin Corr. 1B; H314. STOT RE 2; H373. Aquatic Chronic 2; H411.
EC No. 210-199-8 CAS 609-72-3	N,N-Dimethyl-o- toluidine	< 1 %	Acute Tox. 3; H301. Acute Tox. 3; H311. Acute Tox. 3; H331. STOT RE 2; H373. Aquatic Chronic 3; H412.

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General information: Take off immediately all contaminated clothing.
- In case of inhalation: Move victim to fresh air.  
Seek medical attention.
- Following skin contact: After contact with skin, wash immediately with soap and plenty of water.  
In case of skin irritation, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids  
apart. Subsequently seek the immediate attention of an ophthalmologist.
- After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an  
unconscious person.  
Do not induce vomiting. Consult physician.

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

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

### 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:

Water fog, Carbon dioxide, extinguishing powder, foam



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Extinguishing media which must not be used for safety reasons:

full water jet

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

In case of fire may be liberated: Smoke, nitrogen oxides (NO<sub>x</sub>), nitrogen oxides (NO<sub>x</sub>), carbon monoxide and carbon dioxide.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Hazchem-Code: -

Cool endangered containers with water jetspray. Do not allow fire water to penetrate into surface or ground water.

## SECTION 6: Accidental release measures

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

Provide adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapours/spray. Wear protective equipment.

### 6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal. Special waste.

Clean contaminated area with soap and water. Clean the floor and all object contaminated by this material.

Additional information: Special danger of slipping by leaking/spilling product.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.

Avoid contact with skin and eyes. Avoid breathing vapours/spray.

Wear protective equipment.

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

Requirements for storerooms and containers:

Store container tightly closed in a dry area.

Protect from moisture contamination. Protect from exposure to heat, direct sunlight, and cold.

Keep only in the original container.

Do not return unused portions of product to original container.

Hints on joint storage: Do not store together with oxidizing agents.

### 7.3 Specific end use(s)

No information available.



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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
79-10-7	Acrylic acid	Great Britain: MEL/OES-STEL	60 mg/m <sup>3</sup> ; 20 ppm
		Great Britain: MEL/OES-TWA	30 mg/m <sup>3</sup> ; 10 ppm
		Ireland: 8 hours	6 mg/m <sup>3</sup> ; 2 ppm

DNEL/DMEL: Information about 2-Hydroxyethyl methacrylate:  
DNEL long-term, workers, inhalative, systemic: 4.9 mg/m<sup>3</sup>  
DNEL long-term, workers, dermal, systemic: 1.3 mg/kg bw/d  
DNEL long-term, consumers, inhalative, systemic: 2.9 mg/m<sup>3</sup>  
DNEL long-term, consumers, oral, systemic: 0.83 mg/kg bw/d  
DNEL long-term, consumers, dermal, systemic: 0.83 mg/kg

PNEC: Information about Propylidynetrimethyl trimethacrylate:  
PNEC Water (freshwater): 2.76 µg/L  
PNEC Water (marine water): 0.276 µg/L  
PNEC Water (intermittent release): 20 µg/L  
PNEC sewage treatment plant: 10 mg/L  
PNEC sediment (freshwater): 0.4951 mg/kg dw  
PNEC sediment (marine water): 0.04951 mg/kg dw  
PNEC soil: f  
dec 0,0974} mg/kg dw  
Information about 2-Hydroxyethyl methacrylate:  
PNEC Water (freshwater): 0.482 mg/L  
PNEC Water (marine water): 0.482 mg/L  
PNEC Water (intermittent release): 1 mg/L  
PNEC sewage treatment plant: 10 mg/L  
PNEC sediment (freshwater): 3.79 mg/kg dw  
PNEC sediment (marine water): 3.79 mg/kg dw  
PNEC soil: 0.476 mg/kg dw

#### 8.2 Exposure controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

#### Personal protection equipment

##### Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type AP-2/3 according to EN 14387.  
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, closed-circuit breathing apparatus must be used!



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Hand protection:	Protective gloves according to EN 374. Glove material: Butyl caoutchouc (butyl rubber) - Layer thickness: 0.5 mm Fluororubber (Viton) - Layer thickness: 0.4 mm Chloroprene rubber - Layer thickness: 0.5 mm Breakthrough time: >480 min Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	tightly sealed goggles according to EN 166.
Body protection:	Wear suitable protective clothing.
General protection and hygiene measures:	Take off immediately all contaminated clothing. Avoid breathing vapours/spray. Avoid contact with skin and eyes. Preventive skin protection. When using do not eat or drink. Wash hands before breaks and after work. Have eye wash bottle or eye rinse ready at work place.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Form: liquid Colour: varying, depends on colouring
Odour:	characteristic
Odour threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	No data available
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	Product is not explosive.
Oxidizing characteristics:	none

### 9.2 Other information

Additional information:	No data available
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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

refer to section 10.3

#### 10.2 Chemical stability

Stable under recommended storage conditions.

#### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

#### 10.4 Conditions to avoid

Protect against direct sunlight. Keep away from heat.

#### 10.5 Incompatible materials

Oxidizing agents, acids, alkalis

#### 10.6 Hazardous decomposition products

On heating or in case of fire toxic gases may form.

In case of fire may be liberated: Nitrogen oxides (NO<sub>x</sub>), carbon monoxide and carbon dioxide.

Thermal decomposition: No data available



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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Toxicological effects: Acute toxicity (oral): Based on available data, the classification criteria are not met. No toxicological data is available for the product as such. The statement is derived from the properties of the single components. ATEmix calculated: >2000 mg/kg  
Acute toxicity (dermal): Based on available data, the classification criteria are not met. No toxicological data is available for the product as such. The statement is derived from the properties of the single components. ATEmix calculated: >2000 mg/kg  
Acute toxicity (inhalative): Based on available data, the classification criteria are not met. No toxicological data is available for the product as such. The statement is derived from the properties of the single components. ATEmix calculated: >20 mg/L/4h  
Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.  
Eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Lack of data.  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): STOT SE 3; H335 = May cause respiratory irritation.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

Other information: Information about Propylidynetrimethyl trimethacrylate:  
LD50 Rat, oral: >2000 mg/kg (OECD 423)  
LD50 Rat, dermal: >2000 mg/kg (OECD 402)  
Information about 2-Hydroxyethyl methacrylate:  
LD50 Rat, oral: >5000 mg/kg  
LD50 Rabbit, dermal: >5000 mg/kg

### SECTION 12: Ecological information

#### 12.1 Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.  
Information about Propylidynetrimethyl trimethacrylate:  
Fish toxicity:  
LC50 Oncorhynchus mykiss: 2 mg/L/96h (OECD 203)  
Daphnia toxicity:  
EC50 Daphnia magna (Big water flea): > 9.22 mg/L/48h (OECD 202)  
Algae toxicity:  
ErC50 Pseudokirchneriella subcapitata (green algae): 3.88 mg/L/72h (OECD 201)  
EbC50 Pseudokirchneriella subcapitata (green algae): 1.11 mg/L/72h (OECD 201)

#### 12.2. Persistence and degradability

Further details: No data available





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### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### 12.6 Other adverse effects

General information: Do not allow to penetrate into soil, waterbodies or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 08 04 09\* = Waste adhesives and sealants containing organic solvents or other dangerous substances.

MFSU = manufacture, formulation, supply and use

\* = Evidence for disposal must be provided.

Recommendation: Special waste. Incinerate according to applicable local, state and federal regulations.

#### Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.

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

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID, IMDG, IATA-DGR:

not applicable

### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

### 14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

### 14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

### 14.5 Environmental hazards

Marine pollutant: no



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### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

## SECTION 15: Regulatory information

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

#### National regulations - Great Britain

Hazchem-Code: -  
No data available

#### National regulations - EC member states

#### Labelling of packaging with <= 125mL content



Hazard statements:	H317	May cause an allergic skin reaction.
	H335	May cause respiratory irritation.
	H412	Harmful to aquatic life with long lasting effects.
Precautionary statements:	P102	Keep out of reach of children.
	P261	Avoid breathing vapours.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/protective clothing/eye protection.
	P302+P352	IF ON SKIN: Wash with plenty of water/soap.
	P312	Call a POISON CENTER/doctor if you feel unwell.
P405	Store locked up.	

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.



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### SECTION 16: Other information

#### Further information

Wording of the H-phrases under paragraph 2 and 3:

- H226 = Flammable liquid and vapour.
- H242 = Heating may cause a fire.
- H301 = Toxic if swallowed.
- H302 = Harmful if swallowed.
- H311 = Toxic in contact with skin.
- H312 = Harmful in contact with skin.
- H314 = Causes severe skin burns and eye damage.
- H315 = Causes skin irritation.
- H317 = May cause an allergic skin reaction.
- H319 = Causes serious eye irritation.
- H331 = Toxic if inhaled.
- H332 = Harmful if inhaled.
- H335 = May cause respiratory irritation.
- H373 = May cause damage to organs through prolonged or repeated exposure.
- H400 = Very toxic to aquatic life.
- H411 = Toxic to aquatic life with long lasting effects.
- H412 = Harmful to aquatic life with long lasting effects.

Reason of change: General revision (Regulation (EU) No 2015/830)

Date of first version: 6/3/2015

#### Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.