

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and Regulation (EU) No 453/2010 (REACH)

Revision date: 27.01.2014
Version: 3 Language: en-GB,IE Date of print: 07.02.2014

ANAEROBE KLEBSTOFFE

Page: 1 of 10

Material number ANAEROBE Kategorie B

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 product:

STANDARD 388 anaerobic adhesive in bottles a 50 ml and 250 ml

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: STANDARD CHEMIE Greif KG
Street/POB-No.: Köglstrasse 23
Postal Code, city: 4020 Linz
Austria
WWW: www.standardchemie.at
E-mail: office@standardchemie.at
Telephone: +43 (0)732 776 360 and 772 233
Telefax: +43 (0)732 783 582 and 772 233 10
Dept. responsible for information:
Telephone: +43(0)664 34 27 399 , E-mail f.mayrhofer@standardchemie.at

1.4 Emergency telephone number

STANDARD CHEMIE Telephone: +43 (0)732 77 22 33

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.

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Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36/37/38 Irritating to eyes, respiratory system and skin.

Sens.; R43 May cause sensitization by skin contact.

2.2 Label elements

Labelling (CLP)



Warning

Signal word:

Hazard statements:	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
Safety precautions:	P102	Keep out of reach of children.
	P261	Avoid breathing vapours/spray.
	P280	Wear protective gloves/protective clothing/eye protection.
	P302+P352	IF ON SKIN: Wash with plenty of water/soap.
	P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	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.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.	

Labelling (67/548/EEC or 1999/45/EC)



Xi

irritant

R phrase(s):	R 36/37/38	Irritating to eyes, respiratory system and skin.
	R 43	May cause sensitization by skin contact.
S phrase(s):	S 2	Keep out of the reach of children.
	S 24/25	Avoid contact with skin and eyes.
	S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S 28	After contact with skin, wash immediately with soap and plenty of water.
	S 37/39	Wear suitable gloves and eye/face protection.
S 51	Use only in well-ventilated areas.	

Special labelling

Text for labelling: Contains Methacrylic acid, monoester with propane-1,2-diol, 2-Hydroxyethyl methacrylate, Acrylic acid and Cumene hydroperoxide.

2.3 Other hazards

No risks worthy of mention.

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SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterization: Methacrylate-based adhesive.

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EINECS 248-666-3 CAS 27813-02-1	Methacrylic acid, monoester with propane-1,2-diol	20 - 40 %	EU: Xi; R36. Sens.; R43. CLP: Eye Irrit. 2; H319. Skin Sens. 1; H317.
EINECS 212-782-2 CAS 868-77-9	2-Hydroxyethyl methacrylate	5 - 10 %	EU: Sens.; R43. Xi; R36/38. CLP: Skin Irrit. 2; H315. Eye Irrit. 2; H319. Skin Sens. 1; H317.
EINECS 201-177-9 CAS 79-10-7	Acrylic acid	< 1 %	EU: R10. C; R35. N; R50. Xn; R20/21/22. CLP: Flam. Liq. 3; H226. Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 4; H332. Skin Corr. 1A; H314. Aquatic Acute 1; H400.
REACH 01-2119475796-19-xxxx EINECS 201-254-7 CAS 80-15-9	Cumene hydroperoxide	< 1 %	EU: O; R7. T; R23. C; R34. N; R51-53. Xn; R21/22. Xn; R48/20/22. CLP: Org. Perox. EF; H242. Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 3; H331. Skin Corr. 1A; H314. STOT RE 2; H373. Aquatic Chronic 2; H411.
EINECS 204-055-3 CAS 114-83-0	Acetylphenylhydrazine	< 0.1 %	EU: Xn; R21. Xn; R68/22. Sens.; R43. CLP: Acute Tox. 4; H312. Skin Sens. 1; H317. STOT SE 2; H371.

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.

In case of 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 consult an ophthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water.
Do not induce vomiting. Consult physician.

4.2 Most important symptoms and effects, both acute and delayed

no data available

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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

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, sulphur oxides, nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus. Wear suitable protective clothing.

Additional information:

Hazchem-Code: -

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. Do not breathe vapours.

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 chapter 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. Keep your workplace clean.

Avoid contact with skin and eyes. Use automatic applicators.

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. Keep only in the original container.

Do not return unused portions of product to original container. storage temperature: < 25 °C

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Hints on joint storage: Do not store together with oxidizing agents.
Storage class: 10 = Combustible liquids, unless storage class 3

7.3 Specific end use(s)

No information available.

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: WEL-STEL	60 mg/m ³ ; 20 ppm
		Great Britain: WEL-TWA	30 mg/m ³ ; 10 ppm
		Ireland: 8 hours	6 mg/m ³ ; 2 ppm

8.2 Exposure controls

Use only in well-ventilated areas.

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A according to EN 14387.

Hand protection: Protective gloves according to EN 374.
Glove material: Polyethylene, natural rubber (Caoutchouc)
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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Physical state: liquid
Colour: varying, depends on colouring

Odour: characteristic, mild

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: > 100 °C

Evaporation rate: no data available

Flammability: no data available

Explosive properties: no data available

Explosion limits: no data available
no data available

Vapour pressure: at 25 °C: ≤ 13.33 hPa

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Vapour density:	no data available
Density:	1.03 - 1.07 g/mL
Water solubility:	immiscible
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature:	no data available
Thermal decomposition:	no data available
Viscosity, dynamic:	no data available
Explosive properties:	no data available
Oxidizing characteristics:	no data available

9.2 Other information

Additional information: no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

refer to chapter 10.3

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Reacts with strong acids and strong oxidizing agents.

10.4 Conditions to avoid

Keep away from heat.

10.5 Incompatible materials

Oxidizing agents, strong reducing agents, acids

10.6 Hazardous decomposition products

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

In case of fire may be liberated: Sulphur oxides, nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Thermal decomposition: no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD50 oral: > 5000 mg/kg ((estimated))

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Toxicological effects: Acute toxicity (oral): Lack of data. Acute toxicity (dermal): Lack of data. Acute toxicity (inhalative): Lack of data. 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.

SECTION 12: Ecological information

12.1 Toxicity

Further details: no data available

12.2. Persistence and degradability

Further details: no data available

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

no data available

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.

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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

not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA: Not restricted

14.3 Transport hazard class(es)

not applicable

14.4 Packing group

not applicable

14.5 Environmental hazards

Marine pollutant: No

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: -

National regulations - EC member states

Labelling of packaging with <= 125mL content



Signal word:

Warning

Hazard statements:

H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Safety precautions:

P102 Keep out of reach of children.
P261 Avoid breathing vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection.
P302+P352 IF ON SKIN: Wash with plenty of water/soap.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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National regulations - USA



Hazard rating systems: NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 2 (Moderate)

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

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.

H302 = Harmful if swallowed.

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.

H371 = May cause damage to organs.

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.

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

R 7 = May cause fire.

R 10 = Flammable.

R 20/21/22 = Harmful by inhalation, in contact with skin and if swallowed. R 21 = Harmful in contact with skin.

R 21/22 = Harmful in contact with skin and if swallowed. R 23 = Toxic by inhalation.

R 34 = Causes burns.

R 35 = Causes severe burns.

R 36 = Irritating to eyes.

R 36/37/38 = Irritating to eyes, respiratory system and skin. R 36/38 = Irritating to eyes and skin.

R 43 = May cause sensitization by skin contact.

R 48/20/22 = Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

R 50 = Very toxic to aquatic organisms.

R 51/53 = Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 68/22 = Harmful: possible risk of irreversible effects if swallowed.

Reason of change: Changes in section 2:

Date of first version: Labelling 11.03.2013

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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.