

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Spiegel-Fest, for bonding rear view mirrors and aerals

Index number: 01-005-804

Product code: 93800

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

Use of substance / mixture: Structural acrylic adhesive based on (meth)acrylates

1.3. Details of the supplier of the safety data sheet

Company name: PETEC Verbindungstechnik GmbH
Wüstenbuch 16
96132 Schlüsselfeld
DEUTSCHLAND

Tel: +49 (0) 9555 80994-0

Fax: +49 (0) 9555-80994-25

Email: sdb@chemiebuero.de

Web: www.petec.de

1.4. Emergency telephone number

Emergency tel: +49 (0)89-19240 (24h) (English and German)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318; STOT SE 3: H335; -: EUH208

Most important adverse effects: Contains 1-acetyl-2-phenylhydrazine. May produce an allergic reaction. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation.

2.2. Label elements

Label elements:

Hazard statements: EUH208: Contains 1-acetyl-2-phenylhydrazine. May produce an allergic reaction.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

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Signal words: Danger

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark



Precautionary statements: P261: Avoid breathing vapours.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of water/soap and water.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor/.

P333+313: If skin irritation or rash occurs: Get medical advice/attention.

P362+364: Take off contaminated clothing and wash it before reuse.

P403+233: Store in a well-ventilated place. Keep container tightly closed.

P501: Dispose of bulk product/container to an approved waste disposal plant. Dispose of consumer packaging with household waste.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

HYDROXYPROPYL METHACRYLATE - REACH registered number(s): 01-2119490226-37-...

EINECS	CAS	PBT / WEL	CLP Classification	Percent
248-666-3	27813-02-1	-	Eye Irrit. 2: H319; Skin Sens. 1: H317	10-25%

2-PROPENOIC ACID, 2-CARBOXYETHYL ESTER

-	-	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319	5-10%
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ISOBORNLYLMETHACRYLATE - REACH registered number(s): 01-2119886505-27-...

231-403-1	7534-94-3	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; Aquatic Chronic 3: H412	3-5%
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ACRYLIC ACID

201-177-9	79-10-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314; Aquatic Acute 1: H400	1-3%
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CUMENE HYDROPEROXIDE - REACH registered number(s): 01-211947596-19-...

201-254-7	80-15-9	-	Org. Perox. EF: H242; Acute Tox. 3: H331; Acute Tox. 4: H312; Acute Tox. 4: H302; STOT RE 2: H373; Skin Corr. 1B: H314	<1%
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1-ACETYL-2-PHENYLHYDRAZINE

204-055-3	114-83-0	-	Acute Tox. 3: H301; Skin Irrit. 2: H315; STOT SE 3: H335; Eye Irrit. 2: H319; Skin Sens. 1: H317	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear. Wash with plenty of soap and water. If irritation persists, obtain medical attention.

Eye contact: Bathe the eye with running water for 15 minutes. Remove contact lenses if easily and quickly possible. Immediate medical attention is required.

Ingestion: Do not induce vomiting. Give plenty of water. Immediate medical attention is required.

Inhalation: Remove casualty from exposure into fresh air ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact. Prolonged or repeated contact may cause defatting of the skin, which can lead to dermatitis. Skin sensitisation is possible.

Eye contact: Strong irritation with danger of severe eye injury. May cause permanent damage. The eyes may water profusely.

Ingestion: May cause irritation of the digestive tract resulting in nausea, vomiting, diarrhea, thirst, abdominal pain depending on concentration and amount ingested. May also affect the cardiovascular system. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.

Inhalation: May cause slight irritation of respiratory tract. There may be coughing and a sore throat.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance.

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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Carbon dioxide. Alcohol resistant foam. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Remove all incompatible materials as outlined in section 10 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a suitable container. Refer to section 13 of SDS for suitable method of disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Do not eat, drink or smoke when handling the material. Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. IMPORTANT - if stored in bulk, must be kept in contact with air to aid stabilisation.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): Adhesive

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Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ACRYLIC ACID

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	30 mg/m ³	60 mg/m ³	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Avoid contact with eyes and skin.
Promptly remove any clothing that becomes contaminated. Wash hands before breaks and at the end of workday.

Respiratory protection: If WEL is likely to be exceeded, respiratory protective equipment will be needed.
Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Nitrile gloves. Neoprene gloves. Do not use PVC or latex.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Yellow-amber

Odour: Slightly sharp, lingering methacrylate

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Slightly soluble

Also soluble in: Acetone.

Viscosity: Viscous

Kinematic viscosity: 2500 cPs

Flash point°C: >100

Relative density: 1.08

Vapour pressure: 0.1 mmHg @20.C

pH: 4-6

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

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10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Presence of air is important to keep formulatory inhibitors active and so aid stability.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Polymerisation may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Direct sunlight. Heat. Sources of ignition. Exothermic polymerisation can occur if exposed to elevated temperatures for periods of time.

10.5. Incompatible materials

Materials to avoid: Oxidising agents. Reducing agents. Free-radical initiators. Metals. Aluminium. Copper.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

HYDROXYPROPYL METHACRYLATE

ORL	MUS	LD50	7964	mg/kg
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ACRYLIC ACID

IPR	RAT	LD50	22	mg/kg
ORL	MUS	LD50	830	mg/kg
ORL	RAT	LD50	1250	mg/kg
SCU	MUS	LD50	1590	mg/kg

CUMENE HYDROPEROXIDE

ORL	MUS	LDLO	5	gm/kg
ORL	RAT	LD50	382	mg/kg
SCU	RAT	LD50	382	mg/kg
VAPOURS	RAT	4H LC50	220	ppmV

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1-ACETYL-2-PHENYLHYDRAZINE

ORL	MUS	LD50	270	mg/kg
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Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact. Prolonged or repeated contact may cause defatting of the skin, which can lead to dermatitis. Skin sensitisation is possible.

Eye contact: Strong irritation with danger of severe eye injury. May cause permanent damage. The eyes may water profusely.

Ingestion: May cause irritation of the digestive tract resulting in nausea, vomiting, diarrhea, thirst, abdominal pain depending on concentration and amount ingested. May also affect the cardiovascular system. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.

Inhalation: May cause slight irritation of respiratory tract. There may be coughing and a sore throat.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

HYDROXYPROPYL METHACRYLATE

FISH	96H LC50	>100	mg/l
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CUMENE HYDROPEROXIDE

FISH	96H LC50	3.9	mg/l
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12.2. Persistence and degradability

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Slightly soluble in water.

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12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of as Special Waste in accordance with local and national legislation. Do not empty into drains and avoid release to the environment. Alternatively, product can be polymerised using AC6126 activator (care should be taken if polymerising a large quantity of product due to exothermic reaction). Hardened product can be disposed of as chemical waste by incineration or licensed contractors.

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes. Where possible recycling is preferred to disposal or incineration. General public: dispose of used container safely in household waste or take to local authority site.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

All sections have been changed since the previous version.

Phrases used in s.2 and s.3: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H226: Flammable liquid and vapour.

H242: Heating may cause a fire.

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

[cont...]

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H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H400: Very toxic to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

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