

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)
with its amendment Regulation (EU) 2015/830

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Revision No: 3.2

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** SCHMUTZBRECHER SUPER**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** Industrial cleaner for professional users**1.3. Details of the supplier of the safety data sheet****Company name:** KLEEN PURGATIS GmbH

Dieselstraße 10

D - 32120 Hiddenhausen

Deutschland

Tel: +49 (0)5223 - 9970-40**Fax:** +49 (0)5223 - 9970-195**Email:** info@kleen-purgatis.de**1.4. Emergency telephone number****Emergency tel:** +49 (0)551 - 19240 (GIZ-Nord)**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Aquatic Chronic 3: H412; Skin Corr. 1B: H314; Skin Sens. 1: H317; STOT SE 3: H335**Most important adverse effects:** Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.**2.2. Label elements****Label elements:****Hazard statements:** H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark

**Signal words:** Danger**Hazard components for labelling:** Potassium hydroxide, Ethanolamine, Limonene***Precautionary statements:** P280: Wear protective gloves/eye protection.

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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water .

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P310: Immediately call a POISON CENTER/doctor.

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:

2-BUTOXYETHANOL - REACH registered number(s): 01-2119475108-36-0000

EINECS	CAS	SCL	CLP Classification	Percent
203-905-0	111-76-2	-	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315	5-10%

ETHANOLAMINE - REACH registered number(s): 01-2119486455-28-0000

205-483-3	141-43-5	-	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314	1-5%
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SODIUM CUMENESULPHONATE - REACH registered number(s): 01-2119489411-37-0000

239-854-6	15763-76-5	-	Eye Irrit. 2: H319	1-5%
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FATTY ALCOHOL ETHOXYLATE - REACH registered number(s): 01-2119487984-16-0000

-	68439-50-9	-	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412	1-5%
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PROPAN-2-OL - REACH registered number(s): 01-2119457558-25-0000

200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	1-5%
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POTASSIUM HYDROXIDE - REACH registered number(s): 01-2119487136-33-0000

215-181-3	1310-58-3	-	Acute Tox. 4: H302; Skin Corr. 1A: H314	1-5%
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2-PHENOXYETHANOL - REACH registered number(s): 01-2119488943-21-0000

204-589-7	122-99-6	-	Acute Tox. 4: H302; Eye Irrit. 2: H319	1-5%
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D-LIMONENE - REACH registered number(s): 01-2119529223-47

227-813-5	5989-27-5	-	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	1-5%
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AMMONIA SOLUTION 25% - REACH registered number(s): 01-2119982985-14-0000

215-647-6	1336-21-6	-	Skin Corr. 1B: H314; Aquatic Acute 1: H400	<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 immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Consult a doctor.
- Inhalation:** Provide fresh air. In case of respiratory tract irritation, consult a physician.

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

- Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
- Eye contact:** Corneal burns may occur. May cause permanent damage.
- Ingestion:** Corrosive burns may appear around the lips. Nausea and stomach pain may occur.
- Inhalation:** There may be shortness of breath with a burning sensation in the throat.

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

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Water spray. Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive.

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. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Keep unprotected people away and stay on the upwind side. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Wash with plenty of water. 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.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from food, drink and animal feedingstuffs. Storage class: 8B (Non-combustible corrosive substances)

Suitable packaging: Must only be kept in original packaging. Do not use aluminium containers.

7.3. Specific end use(s)

Specific end use(s): GISCODE: GG90

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

2-BUTOXYETHANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	25 ppm	50 ppm	-	-

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2-AMINOETHANOL

UK	2.5 mg/m ³	7.6 mg/m ³	-	-
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PROPAN-2-OL

UK	999 mg/m ³	1250 mg/m ³	-	-
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POTASSIUM HYDROXIDE

UK	-	2 mg/m ³	-	-
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2-PHENOXYETHANOL

UK	110 mg/m ³	110 mg/m ³	-	-
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***DNEL/PNEC Values**

Hazardous ingredients:

2-BUTOXYETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	98 mg/m ³	Workers	Systemic
DNEL	Dermal (repeated dose)	75 mg/kg	Workers	Systemic
DNEL	Oral (repeated dose)	3,2 mg/kg	Consumers	Systemic
DNEL	Oral, akut	13,4 mg/kg	Consumers	Systemic
DNEL	Inhalativ, akut	426 mg/m ³	Consumers	Systemic
PNEC	Fresh water	8,8 mg/l	-	-
PNEC	Marine water	0,88 mg/l	-	-
PNEC	Soil (agricultural)	2,8 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	463 mg/l	-	-

2-AMINOETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	3,3 mg/m ³	Workers	Local
DNEL	Dermal (repeated dose)	1mg/kg	Workers	Systemic
DNEL	Inhalation (repeated dose)	2 mg/m ³	Population	Local
DNEL	Dermal (repeated dose)	0,24 mg/kg	Population	Systemic
DNEL	Oral (repeated dose)	3,75 mg/kg	Population	Systemic
PNEC	Fresh water	0,085 mg/l	-	-
PNEC	Marine water	0,009 mg/l	-	-
PNEC	Soil (agricultural)	0,037 mg/kg	-	-

SODIUM CUMENESULPHONATE

Type	Exposure	Value	Population	Effect
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DNEL	Dermal (repeated dose)	136,25 mg/kg	Workers	Systemic
DNEL	Inhalation (repeated dose)	26,9 mg/m ³	Workers	Systemic
DNEL	Oral (repeated dose)	3,8 mg/kg	Consumers	Systemic
PNEC	Fresh water	0,23 mg/l	-	-
PNEC	Marine water	0,023 mg/l	-	-
PNEC	Microorganisms in sewage treatment	100 mg/l	-	-

POTASSIUM HYDROXIDE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	1 mg/m ³	Population	Local

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Wear chemical-resistant disposable protective gloves according to EN 374. Suitable material: NR (natural rubber), CR (polychloroprene) or NBR (nitrile rubber), category III according to EN 374. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Breakthrough time (maximal wear duration): Wear duration with occasional contact, splashes (Level 2: < 30 min): Disposable-gloves, Thickness of the material 0,1mm. Wear duration with permanent contact (Level 6: < 480min): Protective gloves, Thickness of the glove material 0,7 mm. Breakthrough times and swelling properties of the material must be taken into consideration.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Not applicable.

Environmental: No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Yellow-green

Odour: like orange

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible

Viscosity: Non-viscous

Boiling point/range°C: No data available.

Melting point/range°C: Not applicable.

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: Not applicable.

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: Not applicable.

Vapour pressure: No data available.

Relative density: 1,038 g/ml

pH: 11,5 (1%)

VOC g/l: 21%

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9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

Conditions to avoid: No hazardous decomposition products if stored and handled as prescribed.

10.5. Incompatible materials

Materials to avoid: None known

10.6. Hazardous decomposition products

Haz. decomp. products: No hazardous decomposition products known.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

2-BUTOXYETHANOL

DERMAL	RBT	LD50	400	mg/kg
VAPOURS	RAT	4H LC50	1-5	mg/l

2-AMINOETHANOL

IVN	RAT	LD50	225	mg/kg
ORL	MUS	LD50	700	mg/kg
ORL	RAT	LD50	1720	mg/kg
SCU	RAT	LD50	1500	mg/kg

FATTY ALCOHOL ETHOXYLATE

ORL	RAT	LD50	>300 - <2000	mg/kg
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PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

POTASSIUM HYDROXIDE

ORL	RAT	LD50	273	mg/kg
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2-PHENOXYETHANOL

ORL	MUS	LD50	933	mg/kg
ORL	RAT	LD50	1260	mg/kg
SKN	RAT	LD50	14422	mg/kg

D-LIMONENE

ORL	MUS	LD50	5600	mg/kg
ORL	RAT	LD50	4400	mg/kg
SCU	MUS	LD50	3170	mg/kg

AMMONIA SOLUTION 25%

IVN	MUS	LD50	91	mg/kg
ORL	RAT	LD50	350	mg/kg
SCU	MUS	LDLO	160	mg/kg

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Nausea and stomach pain may occur.

Inhalation: There may be shortness of breath with a burning sensation in the throat.

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

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

2-BUTOXYETHANOL

Daphnia magna	24H EC50	1800	mg/l
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Oncorhynchus mykiss	96H LC50	1700	mg/l
Selenastrum capricornutum	72H EC50	911	mg/l

NATRIUMCUMOLSULFONAT - SODIUM CUMENESULPHONATE

Oncorhynchus mykiss	96H LC50	>100	mg/l
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FATTY ALCOHOL ETHOXYLATE

FISCH	LC50	>1-<=10	mg/l
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12.2. Persistence and degradability

Persistence and degradability: The surfactant(s) contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: no data available.

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

Other adverse effects: The product has not been tested. Data apply to the components with the highest toxicological risk.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of waste according to applicable local, state and federal regulations.

Waste code number: 20 01 29

Disposal of packaging: May be reused following decontamination.

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

Section 14: Transport information

14.1. UN number

UN number: UN1814

14.2. UN proper shipping name

Shipping name: POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

Transport class: 8

[cont...]

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14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 2

Section 15: Regulatory information

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

*Specific regulations: Ingredients according to Regulation (EC) No 648/2004: <5% phosphonates, non-ionic surfactants. Contains perfumes, LIMONENE

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: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Data references: Safety data sheets from our raw material suppliers

Classification for mixtures and used evaluation method according to

Article 9 of regulation (EC) 1272/2008 [CLP]:

Calculation method

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

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.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

[cont...]

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H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.