

Safety Data Sheet

according to Regulation (EC) No 1907/2006



Revision date: 27.04.2023

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

1.1. Product identifier

Total

UFI: 6U20-V0KP-T00M-N0AH

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

Use of the substance/mixture

EuPCS: PC-CLN-13.3 Floor strippers

Process categories [PROC]: 8, 10

Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

| | | |
|-----------------|---------------------------------|-------------------------------|
| Company name: | BUZIL-WERK Wagner GmbH & Co. KG | |
| Street: | Fraunhofer Str. 17 | |
| Place: | D-87700 Memmingen | |
| Telephone: | +49 (0) 8331 930-6 | Telefax: +49 (0) 8331 930-880 |
| e-mail: | info@buzil.de | |
| Contact person: | info@buzil.de | |
| Internet: | www.buzil.com | |

1.4. Emergency telephone number: +49 (0) 8331 930-6 (08:00 - 16:00 h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Met. Corr. 1; H290

Skin Corr. 1; H314

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Potassium hydroxide

Signal word: Danger

Pictograms:



Hazard statements

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338 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.

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2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

| CAS No | Chemical name | | | Quantity |
|-----------|---|--------------|------------------|------------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 100-51-6 | Benzyl alcohol | | | 5 - < 10 % |
| | 202-859-9 | 603-057-00-5 | 01-2119492630-38 | |
| | Acute Tox. 4, Acute Tox. 4; H332 H302 | | | |
| 1569-02-4 | 1-Ethoxy-2-propanol | | | 1 - < 5 % |
| | 216-374-5 | 603-177-00-8 | 01-2119462792-32 | |
| | Flam. Liq. 3, STOT SE 3; H226 H336 | | | |
| 1310-58-3 | Potassium hydroxide | | | 1 - < 5 % |
| | 215-181-3 | 019-002-00-8 | 01-2119487136-33 | |
| | Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A; H290 H302 H314 | | | |

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

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|-----------|---|---------------------|------------|
| | Specific Conc. Limits, M-factors and ATE | | |
| 100-51-6 | 202-859-9 | Benzyl alcohol | 5 - < 10 % |
| | inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 2000 mg/kg; oral: LD50 = 1230 mg/kg | | |
| 1569-02-4 | 216-374-5 | 1-Ethoxy-2-propanol | 1 - < 5 % |
| | inhalation: LC50 = >10000 mg/l (vapours); dermal: LD50 = 8100 mg/kg; oral: LD50 = >5000 mg/kg | | |
| 1310-58-3 | 215-181-3 | Potassium hydroxide | 1 - < 5 % |
| | oral: LD50 = 273 mg/kg Skin Corr. 1A; H314: >= 5 - 100 Skin Corr. 1B; H314: >= 2 - < 5 Skin Irrit. 2; H315: >= 0,5 - < 2 Eye Irrit. 2; H319: >= 0,5 - < 2 | | |

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % soap, perfumes (Benzyl alcohol).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

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Do NOT induce vomiting.

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

No information available.

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 spray jet
alcohol resistant foam
Carbon dioxide
Extinguishing powder

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

Carbon dioxide
Carbon monoxide

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Use personal protection equipment.
Avoid contact with skin, eyes and clothes.

For non-emergency personnel

Ventilate affected area.

For emergency responders

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.
Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up

Treat the recovered material as prescribed in the section on waste disposal.

Other information

Collect in closed and suitable containers for disposal.
Ventilate affected area.

6.4. Reference to other sections

Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes and clothes.
Do not mix with other chemicals.
Use personal protection equipment.
When using do not eat, drink or smoke.
Use only in well-ventilated areas.
Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Take off contaminated clothing.
Wash hands before breaks and after work.
When using do not eat, drink or smoke.

Further information on handling

No further relevant information available.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

Further information on storage conditions

No further relevant information available.

7.3. Specific end use(s)

Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

No information available.

8.2. Exposure controls



Appropriate engineering controls

No information available.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection. (EN 166)

Hand protection

Wear suitable gloves. (EN 374, Breakthrough time: >10 min.)

Suitable material: NBR (Nitrile rubber).

Thickness of the glove material $\geq 0,1$ mm

A survey of suitable brands with detailed information on breakthrough times is available upon request.

Diluted ready-to-use solutions $\leq 1\%$:

Protective gloves may be waived, if equivalent measures allowing for an increased skin stress because of wet

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work are implemented (e. g. application of suitable skin protecting creams).

Skin protection

Wear suitable work clothing.

Respiratory protection

Use only in well-ventilated areas.

In case of inadequate ventilation wear respiratory protection. (EN 14387, A1)

Thermal hazards

No further relevant information available.

Environmental exposure controls

Section 6: Accidental Release Measures

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|----------------|
| Physical state: | Liquid |
| Colour: | yellow |
| Odour: | characteristic |

Test method

| | |
|---|------------------------|
| Melting point/freezing point: | approx. 0 °C |
| Boiling point or initial boiling point and boiling range: | approx. 100 °C |
| Flammability: | not applicable |
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |
| Flash point: | > 60 °C |
| Auto-ignition temperature: | not determined |
| Decomposition temperature: | not applicable |
| pH-Value (at 20 °C): | 13,0 - 14,0 |
| Viscosity / kinematic: (at 40 °C) | not determined |
| Water solubility: (at 20 °C) | completely miscible |
| Solubility in other solvents | not determined |
| Partition coefficient n-octanol/water: | not applicable |
| Vapour pressure: | not determined |
| Density (at 20 °C): | 1,03 g/cm ³ |
| Relative density: | not determined |
| Relative vapour density: | not determined |
| Particle characteristics: | not relevant |

9.2. Other information

Other safety characteristics

Viscosity / dynamic:
(at 25 °C) < 10 mPa·s (50 1/s)

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Corrosive to metals.

Exothermic reaction with: Acid

10.2. Chemical stability

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The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Corrosive to metals.
Exothermic reaction with: Acid

10.4. Conditions to avoid

The product is stable under storage at normal ambient temperatures.

10.5. Incompatible materials

Corrosive to metals.
Acid

10.6. Hazardous decomposition products

No known hazardous decomposition products.

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.

| CAS No | Chemical name | | | | |
|-----------|-------------------------|------------------|---------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 100-51-6 | Benzyl alcohol | | | | |
| | oral | LD50 1230 mg/kg | Rat | GESTIS | |
| | dermal | LD50 2000 mg/kg | Rabbit | | |
| | inhalation vapour | ATE 11 mg/l | | | |
| | inhalation dust/mist | ATE 1,5 mg/l | | | |
| 1569-02-4 | 1-Ethoxy-2-propanol | | | | |
| | oral | LD50 >5000 mg/kg | Rat | | |
| | dermal | LD50 8100 mg/kg | Rabbit | | |
| | inhalation (4 h) vapour | LC50 >10000 mg/l | Rat | | |
| 1310-58-3 | Potassium hydroxide | | | | |
| | oral | LD50 273 mg/kg | Rat | RTECS | |

Irritation and corrosivity

Causes severe skin burns and eye damage.
Causes serious eye damage.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.

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Aspiration hazard

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

11.2. Information on other hazards

Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

| CAS No | Chemical name | | | | | |
|-----------|--------------------------|-----------------|-----------|--------------------------------------|--------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 100-51-6 | Benzyl alcohol | | | | | |
| | Acute fish toxicity | LC50 460 mg/l | 96 h | Pimephales promelas (fathead minnow) | | |
| | Acute algae toxicity | ErC50 640 mg/l | 96 h | Scenedesmus quadricauda | | |
| 1569-02-4 | 1-Ethoxy-2-propanol | | | | | |
| | Acute crustacea toxicity | EC50 mg/l 5,465 | 48 h | Daphnia magna (Big water flea) | | |
| 1310-58-3 | Potassium hydroxide | | | | | |
| | Acute fish toxicity | LC50 80 mg/l | 96 h | Gambusia affinis (Mosquito fish) | IUCLID | |

12.2. Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

| CAS No | Chemical name | | | |
|-----------|---|-------|----|--------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 100-51-6 | Benzyl alcohol | | | |
| | OECD 301 | >60% | 28 | |
| | Readily biodegradable (according to OECD criteria). | | | |
| 1569-02-4 | 1-Ethoxy-2-propanol | | | |
| | OECD 301 | >70 | 28 | |
| | Readily biodegradable (according to OECD criteria). | | | |

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|-----------|---------------------|---------|
| 100-51-6 | Benzyl alcohol | 1,05 |
| 1569-02-4 | 1-Ethoxy-2-propanol | <1 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|-----------|---------------------|------|---------|--------|
| 1569-02-4 | 1-Ethoxy-2-propanol | 3,16 | | |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.
Delivery to an approved waste disposal company.

List of Wastes Code - residues/unused products

060204 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the MFSU of bases; sodium and potassium hydroxide; hazardous waste

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Non-contaminated packages may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: UN 1814
14.2. UN proper shipping name: POTASSIUM HYDROXIDE SOLUTION
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Classification code: C5
Limited quantity: 5 L
Transport category: 3
Hazard No: 80
Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1814
14.2. UN proper shipping name: POTASSIUM HYDROXIDE SOLUTION
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Classification code: C5
Limited quantity: 5 L

Marine transport (IMDG)

14.1. UN number or ID number: UN 1814

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14.2. UN proper shipping name: POTASSIUM HYDROXIDE SOLUTION
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Marine pollutant: no
Special Provisions: 223
Limited quantity: 5 L
EmS: F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1814
14.2. UN proper shipping name: POTASSIUM HYDROXIDE SOLUTION
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Special Provisions: A3 A803
Limited quantity Passenger: 1 L
IATA-packing instructions - Passenger: 852
IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 856
IATA-max. quantity - Cargo: 60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special measures are necessary.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

2010/75/EU (VOC): 10,4 %

Additional information

Regulation (EC) No. 648/2004 [Detergents regulation]

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

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This data sheet contains changes from the previous version in section(s): 9,10.

Abbreviations and acronyms

ADR: Accord européen sur le transport 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 Harmonized 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
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC 4: Chemical production where opportunity for exposure arises

PROC 7: Industrial spraying

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 13: Treatment of articles by dipping and pouring

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection

Relevant H and EUH statements (number and full text)

| | |
|------|--|
| H226 | Flammable liquid and vapour. |
| H290 | May be corrosive to metals. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H332 | Harmful if inhaled. |
| H336 | May cause drowsiness or dizziness. |

Further Information

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]: 9 (1)

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)