SAFETY DATA SHEET

in accordance with Commission Regulation (EU) No. 1907/2006

Compilation date: 26.07.2010

Revision date: 15.03.2017

Revision No: 5

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

1.1. Product identifier

Product name: KLEEN CATERING GRANIT

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

Use of substance / mixture: Grill 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: Skin Corr. 1A: H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. Label elements

Label elements under CLP:

Hazard statements: H314: Causes severe skin burns and eye damage.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

Hazard components for labelling: Potassium hydroxide

Precautionary statements: P101: If medical advice is needed, have product container or label at hand.

P260: Do not breathe spray.

P280: Wear protective gloves/eye protection.

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove

[cont...]

contact lenses, if present and easy to do. Continue rinsing.

P307+311: IF exposed: Call a POISON CENTER or doctor.

2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

POTASSIUM HYDROXIDE - REACH registered number(s): 01-2119487136-33-0000

EINECS	CAS	SCL	CLP Classification	Percent
215-181-3	1310-58-3	-	Acute Tox. 4: H302; Skin Corr. 1A: H314	15-25%

LAURYL GLUCOSIDE - REACH registered number(s): 01-2119489418-23-0000

-	110615-47-9	Eye Dam.1: C>12%	Eye Dam. 1: H318	1-10%

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. Consult a doctor.

Ingestion: If conscious, give half a litre of water to drink immediately. Do not induce vomiting. Consult a doctor.

Inhalation: Provide fresh air. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

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

Skin contact: Severe burns may occur.

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

Ingestion: The strong caustic effect may perforate the esophagus and the stomach.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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.

[cont...]

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. In combustion emits toxic fumes.

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: Keep unprotected people away and stay on the upwind side. Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

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). Suitable material for diluting or neutralising: water, acetic acid, diluted. Ventilate affected area. 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. Always close containers tightly after the removal of product. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

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

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

[cont...]

Hazardous ingredients:

POTASSIUM HYDROXIDE

Workplace exposure limits: **Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	2 mg/m³	-	-

8.2. Exposure controls

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

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves. 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.

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: Pale yellow

Odour: product specific

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

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: Not applicable.

Relative density: 1,22 g/cm³

pH: 14

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

[cont...]

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: Acids. Aluminium. Magnesium. Zinc.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes. Release of Hydrogen (H2)

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

POTASSIUM HYDROXIDE

ORL	RAT	LD50	273	mg/kg

LAURYL GLUCOSIDE

ORL	RAT	LD50	>2000	mg/kg

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: Severe burns may occur.

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

Ingestion: The strong caustic effect may perforate the esophagus and the stomach.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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

Section 12: Ecological information

12.1. Toxicity

[cont...]

Hazardous ingredients:

LAURYL GLUCOSIDE

Leuciscus idus	96H LC50	100-500	mg/l

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 substance is not identified as a PBT 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: 06 02 04

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

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No **Marine pollutant:** No

[cont...]

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

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. 1907/2006.

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

Data references: Safety data sheets from our raw material suppliers

Department issuing MSDS: Product Development Department;

Contact: Ms. Tiemann, Ms. Klumpe

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 3: H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

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.