

SAFETY DATA SHEET

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

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Revision No: 4

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** KLEEN FRESH POWER CLEANER S**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** Basic cleaner and cement film remover 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 - 9970-50**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**Classification under CHIP:** C: R34**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:** Phosphoric acid, Hydrochloric acid**Precautionary statements:** P102: Keep out of reach of children.

P280: Wear protective gloves/eye protection.

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

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse

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skin with water/shower.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P312: Call a POISON CENTER or doctor if you feel unwell.

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:

HYDROCHLORIC ACID (30%IG) - REACH registered number(s): 01-2119484862-27

EINECS	CAS	CLP Classification	Percent
231-595-7	7647-01-0	Met. Corr. 1: H290; Skin Corr. 1B: H314; STOT SE 3: H335	10-25%

PHOSPHORIC ACID 75% - REACH registered number(s): 01-2119485924-24-0000

EINECS	CAS	CLP Classification	Percent
231-633-2	7664-38-2	Met. Corr. 1: H290; Skin Corr. 1B: H314	5-10%

SODIUM CUMENESULFONATE 40% - REACH registered number(s): -

EINECS	CAS	CLP Classification	Percent
248-983-7	28348-53-0	Eye Irrit. 2: H319	5-10%

SODIUM HYDROGENSULPHATE - REACH registered number(s): 01-2119552465-36-0000

EINECS	CAS	CLP Classification	Percent
231-665-7	7681-38-1	Eye Dam. 1: H318	5-10%

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. Wash immediately with plenty of soap and water. In case of skin irritation, consult a physician.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: If conscious, give half a litre of water to drink immediately. Do not induce vomiting. Transfer to hospital as soon as possible.

Inhalation: Provide fresh air.

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

Skin contact: Irritation or pain may occur at the site of contact. Severe burns may occur.

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 irritation of the throat with a feeling of tightness in the chest.

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

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.

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). 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.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed. Keep away from food, drink and animal feedingstuffs. Storage class: 8B (Non-combustible corrosive substances)

Suitable packaging: Don't use metal containers. Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): GISCODE: GS80

Section 8: Exposure controls/personal protection

8.1. Control parameters

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Hazardous ingredients:

HYDROCHLORIC ACID (30%IG) Workplace

exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	5 ppm	10 ppm	-	-

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.

Environmental: No special requirement.

Skin protection: Not necessary.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Red

Odour: Aromatic

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible

Viscosity: Non-viscous

Relative density: 1,15 g/ml

pH: 2 (1%ig)

9.2. Other information

Other information: Not applicable.

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.

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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

10.5. Incompatible materials

Materials to avoid: Bases. Cleaners, containing chlorine.

10.6. Hazardous decomposition products

Haz. decomp. products: Violent reaction(s) with bases Release of chlorine after contact with hypochlorite-containing cleaners.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
HCl: ORL	RBT	LD50	900	mg/kg
Phosphoric acid: ORL	RAT	LD50	1530	mg/kg
Sodiumbisulphate: ORL	RAT	LD50	2490	mg/kg

Symptoms / routes of exposure

Skin contact: Irritation or pain may occur at the site of contact. Severe burns may occur.

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 irritation of the throat with a feeling of tightness in the chest.

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

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
HCl (37%): Leuciscus idus	96H LC50	862	mg/l
Daphnia magna	48H EC50	56	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.

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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 01 02 / 06 01 02

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: UN1805

14.2. UN proper shipping name

Shipping name: PHOSPHORIC ACID, SOLUTION

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: III

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: 3

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.

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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: H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.