

EC Safety Data Sheet

in compliance with Directive 2001/58/EC

1. Identification of the substance / preparation and of the company / undertaking
 - 1.1 Identification of the substance or preparation
Kardeclean Routine Cleaner
 - 1.2 Use of the substance / preparation: Cleaning and care of hard floor coverings
 - 1.3 Company / undertaking identification
CC-Dr. Schutz GmbH, Holbeinstr. 17, D-63175 Bonn phone +4922895352-0, fax +4922895352-28
 - 1.4 Emergency telephone / advisory body
Giflinformationszentrum-Nord, Robert-Koch-Str. 40, D-37075 Göttingen phone +4955119240
CC-Dr. Schutz GmbH, plant Hessisch-Oldendorf, Steinbrinksweg 30, D-31840 Hessisch-Oldendorf phone +4951629779-0
2. Composition / Information on Ingredients
Preparation on a basis of surfactants, alcohol, polymeric material, water
ENECS-ELINCS-No. / chemical name / % range / hazard symbol / R-phrases
ENECS-ELINCS n.d. / Anionic surfactants / <5 / X, N / R 38-41
ENECS-ELINCS n.d. / Non-ionic surfactants / <5 / X, N / R 38-41-51/53
The wording of the R phrases on the given ingredients is reproduced under point 16. For ingredients with community occupational exposure controls, see point 8.
3. Hazards identification
Indication of hazards-Not classified as hazardous in the sense of Guideline 2001/58/EC.
Special information on hazards for man and the environment. Also refer to points 11 and 15 and/or point 12 respectively. No hazards requiring specific mention.
4. First aid measures
 - 4.1 General directions- Bring the affected person out of danger area. Remove soaked or contaminated clothing.
 - 4.2 After inhalation- Provide for fresh air.
 - 4.3 After skin contact- Wash thoroughly with water. Use appropriate skin care products. In case of enduring skin irritation (persistent redness, etc.), seek medical advice
 - 4.4 After eye contact- Keeping the lids open, flush the eyes with running water for several minutes. Seek medical advice if symptoms persist, taking this data sheet with you.
 - 4.5 After ingestion- Do not induce vomiting. Flush out the mouth and drink large quantities of water afterwards. Seek medical advice immediately, taking this data sheet with you. Do not leave the affected person unsupervised.
 - 4.6 Directions for the physician / symptoms- Symptoms have not been established. After ingestion, nausea and gastro-intestinal problems and an irritation of the mucous membranes are foreseeable. Should it be necessary to rinse out the stomach, add Dimeticon (defoamer).
5. Fire fighting measures
 - 5.1 Suitable extinguishing media- Dry fire extinguishing media, foam, water sprays, Co², sand. Use extinguishing media suitable for fighting the surrounding fire.
 - 5.2 Extinguishing media which must not be used for safety reasons- Straight water jet
 - 5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases- Combustion may result in the development of toxic pyrolysis products.
 - 5.4 Special protective equipment for fire-fighters- Do not inhale combustion gases in case of surrounding fire. Depending on the size of the fire, use full personal safety equipment or respiratory protection as appropriate.
6. Accidental release measures- Also refer to points 8 and 13.
 - 6.1 Personal precautions- Avoid contact with eyes and prolonged skin contact. Danger of slipping if product runs out or is spilled.

- 6.2 Environmental precautions- Do not allow contamination of surface water/ground water. Do not allow large quantities of the product to flow into the drains. Should a leakage of substantial quantities occur, prevent from spreading (e.g. by damming in).
- 6.3 Methods for cleaning up- Take up the product mechanically or by thickening with binding material (e.g., universal binders) and dispose of these in accordance with point 13. Flush away the remains using large quantities of water.

7. Handling and storage
 - 7.1 Handling
 - 7.1.1 Directions for safe handling: Avoid contact with the eyes and prolonged contact with the skin. Follow directions on the label. If the product is used in a suitable manner, no special measures are required.
 - 7.1.2 Directions on prevention of fire and explosion: Keep away from incendiary sources. Do not smoke. If the product is used in a suitable manner, no special measures are required.
 - 7.2 Storage
 - 7.2.1 Storeroom and container requirements: Also refer to point 7.2.2. Store product in sealed original containers in a cool, dry place. Do not store in passageways and stairways
 - 7.2.2 Directions on storage together with other products:
German Technical Regulation on Dangerous Substances 514: n.a.
German Technical Regulation on Dangerous Substances 515: n.a.
German Technical Regulation on Dangerous Substances 300: n.a.
Do not store alongside storage classes 1, 5.1A, 8.2 or beverages, foodstuffs and feedstuffs. Storage alongside storage classes 3, 4.1B, 6.1, 8-13 is allowed in principle. When storing alongside other storage classes, observe storage restrictions for the storage classes concerned (VCI storage concept).
 - 7.2.3 Further information on special warehousing conditions: Also refer to point 10.2. Avoid direct sunlight and high temperatures. Follow regulations and statutes on storage and handling of water-hazardous substances. Keep locked away and out of reach of children.
 - 7.2.4 VCI storage classification (Germany): 12 (canister) / 10 (carton)
 - 7.3 Specific use(s): Observe product group information of German employers' liability insurance association "Büding" for cleaning and care products (classification by GHSODE, see point 15.3.1).
8. Exposure controls / personal protection: Also refer to point 7.
 - 8.1 Exposure limit values- ENECS-ELINCS-No./chemical name/% range/limit type/level and unit of measurement 200-578-6/Ethanol<5/MAK 100 ppm
 - 8.2 Exposure controls
 - 8.2.1 Occupational exposure controls
 - 8.2.1.1 Respiratory protection: No special requirements.
 - 8.2.1.2 Hand protection: When handling larger quantities for prolonged periods of time, wear protective rubber/synthetic gloves.
 - 8.2.1.3 Eye protection: When handling larger quantities or where there is a danger of the eyes coming into contact with splashes of liquid, wear safety goggles.
 - 8.2.1.4 Skin protection: No special requirements.
 - 8.2.1.5 Protection measures and hygiene measures: Avoid contact with the eyes and prolonged contact with the skin. Do not eat, drink or smoke during work. At end of shift, use skin cleaning and care products. Keep away from food and beverages.
 - 8.2.2 Environmental exposure controls- Follow instructions for use and recommended dosage as well as instructions for disposal (point 13).
9. Physical and chemical properties
 - 9.1 General information
 - 9.1.1 Appearance: slightly yellowish liquid
 - 9.1.2 Odour: fresh lemony smell
 - 9.2 Important health, safety and environmental information
 - 9.2.1 pH-level as delivered (at 21°C): approx. 9.5
 - 9.2.2 Boiling point/boiling range (°C): n.d.
 - 9.2.3 Flash point (°C): 65-70 (sets flash closed cup)

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- 9.2.4 Flammability (solid, gas): n.d.
 9.2.5 Auto-ignition: no
 9.2.6 Explosion risk: not to be expected
 Lower explosion limit (vol-%): n.d. Upper explosion limit (vol-%): n.d.
 9.2.7 Oxidising properties: not to be expected
 9.2.8 Vapour pressure (mbar): n.d.
 9.2.9 Relative density (g/cubic cm., at 21°C): 1.00
 9.2.10 Solubility
 Water solubility: fully soluble / miscible Fat solubility: n.d.
 9.2.11 Partition coefficient n-octanol/water: n.d.
 9.2.12 Viscosity, dynamic (mPa.s, at 21°C): approx. 30
 9.2.13 Vapour density: n.d.
 9.2.14 Evaporation rate: n.d.
 9.3 Other Information- No further information

10. Stability and reactivity

- 10.1 Conditions to avoid: Also refer to point 7. Avoid high temperatures.
 10.2 Materials to avoid: No dangerous reactions known.
 10.3 Hazardous decomposition products: Also refer to point 5.3. No further information.
 10.4 Other Information: No stabilisers present. No further information.

11. Toxicological Information- Also refer to points 3 and 5.3.**11.1 Toxicological investigations****11.1.1 Acute toxicity**

- Oral, LD₅₀ rat (mg/kg): n.d.
 Inhalatory, LD₅₀ rat (mg/l/4h): n.d.
 Dermal, LD₅₀ rat (mg/kg): n.d.

11.1.2 Specific symptoms in animal testing: n.d.**11.1.3 Irritation effects: n.d.****11.1.4 Sensitising effects: n.d.****11.1.5 Sub-acute to chronic toxicity: n.d.****11.1.6 Cancer-producing, gene mutation, and reproduction effects: n.d.****11.1.7 Other Information: none**

11.2 Experiences from practical use: Can dry out the skin if used for prolonged periods of time.

11.3 General Information- Toxicological data has not been verified on the product itself. Toxicity was estimated according to the method of calculation set out in EEC directives for the classification of dangerous substances (refer to point 15) or the properties of ingredients.

12. Ecological Information

12.1 Ecotoxicity- Toxicological data with regard to effects on fish, daphnia and algae has not been verified on the product itself. Do not allow to flow undiluted into surface water/ground water or drains. In case of proper initiation of low concentrations into adapted biological purification plants, no disturbance of the degrading activity of micro-organisms is to be expected. Before allowing large quantities to be fed into treatment plants, obtain the approval of the responsible authorities.

Water hazard classification (WGK)- WGK 1 - slightly harmful to water

12.2 Mobility and bioaccumulative potential- No indication of bio-accumulation potential as a result of the individual ingredients contained in the product.

12.3 Persistence and degradability- Surfactants and solvents are bio-degradable. Polymeric material can be eliminated by flocculation or adsorption in the treatment plant. Not verified on the product itself.

12.4 Other adverse effects- No further information.

13. Disposal Considerations

13.1 Substance / preparation / residues- Key for waste disposal, European catalogue: 20 01 30
 Must not be disposed of together with household waste. Should be fed into a suitable hazardous waste collection point. Observe official regulations. Small quantities can be washed away with large amounts of water.

13.2 Contaminated packaging- Key for waste disposal, European catalogue: 15 01 02 (canister), 15 01 01 (carton)
 After thorough emptying and rinsing with water, feed packing into reconditioning or recycling systems. Otherwise, take packing to an authorised depot or

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incineration plant or arrange for disposal via the dual waste disposal system. Observe local official regulations.

14. Transport information**14.1 Land transport**

14.1.1 ADR/RID/CGVS/CGVE Class number/letter: ---

14.1.2 Warning table, hazard no., substance no.: ---

14.1.3 Description of goods: ---

14.1.4 Remarks: Simplification of transport possible due to regulations covering small amounts

14.2 Inland waterway transport

14.2.1 ADN/ADNR Class number/letter: n.d.

14.2.2 Category: n.d.

14.2.3 Description of goods: n.d.

14.3 Sea transport

14.3.1 IMDG Code / Class: --- UN-No.: --- PG: --- n.d.

14.3.2 EmS: --- MFAG: --- n.d.

14.3.3 Marine pollutant: yes (p or pp) / no: n.d.

14.3.4 Proper shipping name: n.d.

14.4 Air transport

14.4.1 ICAO/IATA Class: --- UN/ID-No.: --- PG: --- n.d.

14.4.2 Proper shipping name: n.d.

14.5 Other details- No further information.

15. Regulatory Information**15.1 Labelling**

Labelling not obligatory

Hazard description: according to EC Directive 2001/58/EC

15.1.3 Hazard statement (R phrases): ---

15.1.4 Safety advice (S phrases): ---

15.1.5 Additional labelling for special preparations: n.a.

15.2 National regulations for Germany

15.2.1 Notes on employment restrictions: n.a.

15.2.2 Hazardous Incidents Ordinance: n.d.

15.2.3 Classification according to VbF: Not governed by regulations on inflammable liquids

15.2.4 Classification according to TA Luft: n.d.

15.2.5 Water hazard class: See point 12.3.3

15.2.6 Other regulations: Observe German employers' liability insurance association regulations

15.3 Other Information- Ghscode for cleaning and care products: GU 50

16. Other Information**16.1 Listing of relevant R phrases from points 2 and 3 with full text**

R38 Irritates the skin

R41 Danger of serious damage to the eyes

R51/53 Poisonous for water organisms, can lead to longer-term damage/pollution to surface and ground water.

16.2 Other Information- The Information given in this Safety Data Sheet refers to the product in the state of supply. It is based on our present state of knowledge but does not represent a guarantee of product characteristics and does not found a contractual legal status.
 Issuing Department: Product Development/Hessisch Oldendorf plant Telephone (05152) 9779-0 Contact person: Dr. Hake

Key to abbreviations:

n.a.: not applicable
 n.d.: not determined
 n.d.a.: no data available

MAK: Maximum Concentration for Working Places (Germany)
 TRGS: Technical Directive on Hazardous Materials (Germany)
 VbF: Directive on Inflammable Liquids (Germany)