

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 19.06.2015

Version number 3

Revision: 19.06.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Identification of the substance/preparation:** *Dr. Schutz Stone Care***1.2 Relevant identified uses of the substance or mixture and uses advised against** Not required.**Sector of Use**

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Application of the substance / the mixture Cleaning material/ Detergent**1.3 Details of the supplier of the safety data sheet****Company/undertaking identification:**

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SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The product is not classified according to the CLP regulation.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.

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· Dangerous components:

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43	ethanol ⚠ Flam. Liq. 2, H225	1-5%
	(2-Methoxymethylethoxy)-propanol substance with a Community workplace exposure limit	1-5%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures**· 4.1 Description of first aid measures**

· **General information:** No special measures required.

· **After inhalation:** No special measures required.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After each cleaning use treatment creams, for very dry skin greasy ointments.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures**· 5.1 Extinguishing media****· Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Not applicable.

· 5.2 Special hazards arising from the substance or mixture

Danger of forming toxic pyrolysis products.

Fire spreading by bursting or personal injury caused by fire heat.

· 5.3 Advice for firefighters

· **Protective equipment:** Do not inhale explosion gases or combustion gases.

· Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures**· 6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with the eyes and skin.

Particular danger of slipping on leaked/spilled product.

· 6.2 Environmental precautions:

Prevent from spreading (e.g. by damming-in or oil barriers).

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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6.4 Reference to other sections

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Follow instructions on the label and in the Technical Product Information Sheet.
- Avoid contact with the eyes and skin.
- Store in cool, dry place in tightly closed receptacles.
- No special measures required.

Information about fire - and explosion protection:

- No special precautions are necessary if used correctly.

7.2 Conditions for safe storage, including any incompatibilities**Storage:**

- Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- Information about storage in one common storage facility:** Store away from foodstuffs.
- Further information about storage conditions:**

- Store under lock and key and out of the reach of children.
- Store receptacle in a well ventilated area.

7.3 Specific end use(s) No further relevant information available.**SECTION 8: Exposure controls/personal protection**

- Additional information about design of technical facilities:** No further data; see item 7.

8.1 Control parameters**Exposure limit values:****64-17-5 ethanol**WEL Long-term value: 1920 mg/m³, 1000 ppm**(2-Methoxymethylethoxy)-propanol**WEL Long-term value: 308 mg/m³, 50 ppm
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- DNELs** No available values.
- PNELs** No available values.
- Additional information:** The lists valid during the making were used as basis.

8.2 Exposure controls**Occupational exposure controls:****General protective and hygienic measures:**

- Be sure to clean skin thoroughly after work and before breaks.
- Use skin protection cream for skin protection.

Respiratory protection: Not required.**Protection of hands:**

- Avoid direct contact with the chemical/ the product/ the preparation by organisational measures.
- To avoid skin problems reduce the wearing of gloves to the required minimum.
- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Butyl rubber, BR

- The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several

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substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**

Where there is a danger of the eyes coming into contact with splashes of liquid (i.e. when refilling larger quantities), safety goggles according to EN 166 (i.e. goggles with side shields) are recommended.

- **Body protection:**

Not required.

Light weight protective clothing

- **Limitation and supervision of exposure into the environment**

Follow instructions for use, dosage and waste disposal.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Fluid

Colour: Yellow

- **Odour:** Pleasant

- **Odour threshold:** Not determined.

- **pH-value at 20 °C:** 9.5

- **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

- **Flash point:** > 61 °C (Seta Flash Closed Cup)

- **Flammability (solid, gaseous):** Undetermined.

- **Decomposition temperature:** Not determined.

- **Self-igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

- **Vapour pressure at 20 °C:** 23 hPa

- **Density at 20 °C:** 1.004 g/cm³

- **Relative density** Not determined.

- **Vapour density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with water:**

Fully miscible.

- **Partition coefficient (n-octanol/water):** Not determined.

- **Viscosity:**

Dynamic at 20 °C: 350 mPas

Kinematic: Not determined.

- **Solvent content:**

Organic solvents: 7.1 %

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Water:	81.9 %
Solids content:	8.9 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** see section "Possibility of hazardous reactions".
- **10.2 Chemical stability** No information available.
- **Conditions to avoid:** No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No dangerous reactions known.
- **10.6 Hazardous decomposition products:** Danger of forming toxic pyrolysis products.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

64-17-5 ethanol

Oral	LD50	10470 mg/kg (rat) (OECD 401)
Dermal	LD50	>2000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4h	117 - 125 mg/l (rat) (OECD 403)

(2-Methoxymethylethoxy)-propanol

Oral	LD50	5135 mg/kg (rat)
Dermal	LD50	9500 mg/kg (rat)
Inhalative	LC50/4h	55 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No data available.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- **Repeated dose toxicity** Undetermined.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** Undetermined.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

64-17-5 ethanol

EC50/48h	12900 mg/l (algae) (OECD 201)
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(2-Methoxymethylethoxy)-propanol

EC50/48h	1919 mg/l (Daphnia magna)
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- **12.2 Persistence and degradability**
The surfactants contained in the product correspond to the legislation on the environmental compatibility of detergents and are biodegradable.

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The solvent is biodegradable.

- **12.3 Bioaccumulative potential** Undetermined.

- **12.4 Mobility in soil** No further relevant information available.

- **Ecotoxicological effects:**

- **Behaviour in sewage processing plants:**

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge. Before allowing large quantities to be fed into sewage plants, obtain the approval of the responsible authorities.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow to reach ground water/water course. Do not allow undiluted product or large quantities of it to reach sewage system.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

- **European waste catalogue**

20 01 30	detergents other than those mentioned in 20 01 29
07 06 01*	aqueous washing liquids and mother liquors

- **Uncleaned packaging:**

- **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN-Number**

- **ADR, ADN, IMDG, IATA** Void

- **14.2 UN proper shipping name**

- **ADR, ADN, IMDG, IATA** Void

- **14.3 Transport hazard class(es)**

- **ADR, ADN, IMDG, IATA**

- **Class** Void

- **14.4 Packing group**

- **ADR, IMDG, IATA** Void

- **14.5 Environmental hazards:**

- **Marine pollutant:** No

- **14.6 Special precautions for user**

Not applicable.

- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

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· **UN "Model Regulation":**

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SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
Other regulations (EC): Regulation (EC) No 648/2004
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H225 Highly flammable liquid and vapour.
- **Training hints ---**
- **Recommended restriction of use ---**
- **Department issuing MSDS:** Department for product development
- **Contact:** Dr. Olaf Janßen
- **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
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 Harmonised 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 (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
Flam. Liq. 2: Flammable liquids, Hazard Category 2
- **Sources** Safety data sheet for raw materials, eur-lex.europa.eu
- *** Data compared to the previous version altered.**