

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 21.12.2020

Version number 10

Revision: 20.07.2020

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

- **1.1 Product identifier**
- **Identification of the substance/preparation:** *Dr. Schutz Wood Floor Deep Clean*
- **UFI:** TAH0-A0WF-R001-HRTD
- **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** Basic cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Company/undertaking identification:**
 - Dr. Schutz GmbH
 - Holbeinstr. 17
 - D-53175 Bonn
 - Germany
 - Tel.: +49(0)228-95352-0,
 - Fax: +49(0)228-95352-28
 - info@dr-schutz.com
- For the UK and Ireland:
 - Dr. Schutz UK Ltd.
 - Unit 24, Anglo Business Park,
 - Smeaton Close, Aylesbury Bucks
 - HP19 8UP
 - Tel.: 0044 / 1296 437827
 - Fax: 0044 / 1296 334219
 - email: steve@dr-schutz.com
- **Further information obtainable from:** Department for product development
- **1.4 Emergency telephone number:**
 - Dr. Schutz UK
 - steve@dr-schutz.com
 - 0044 (0) 1296 437827 (mon - fri 9am-5pm)

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.

• Determination of endocrine-disrupting properties

78-93-3 | butanone

List II

SECTION 3: Composition/information on ingredients

- **3.2 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	10-25%
CAS: 5131-66-8 EINECS: 225-878-4 Index number: 603-052-00-8 Reg.nr.: 01-2119475527-28	3-butoxypropan-2-ol ⚠ Flam. Liq. 3, H226; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-5%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3	butanone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	0.1-1%
· Regulation (EC) No 648/2004 on detergents / Labelling for contents		
non-ionic surfactants, anionic surfactants		<5%
perfumes (LIMONENE)		

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

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

Immediately remove any clothing soiled by the product.

No special measures required.

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

· **After skin contact:**

Rinse with warm water.

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.

· **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.

· **5.3 Advice for firefighters**

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

· **Additional information**

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.

Ensure adequate ventilation

Keep away from ignition sources.

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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).

• **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.

No special measures required.

• **Information about fire - and explosion protection:** No special measures required.• **7.2 Conditions for safe storage, including any incompatibilities**• **Storage:**• **Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.• **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**• **8.1 Control parameters**• **Exposure limit values:****64-17-5 ethanol**WEL | Long-term value: 1920 mg/m³, 1000 ppm**78-93-3 butanone**WEL | Short-term value: 899 mg/m³, 300 ppmLong-term value: 600 mg/m³, 200 ppm

Sk, BMGV

• **DNELs** No further relevant information available.• **PNECs** No further relevant information available.• **Ingredients with biological limit values:****78-93-3 butanone**

BMGV | 70 µmol/L

Medium: urine

Sampling time: post shift

Parameter: butan-2-one

• **Additional information:** The lists valid during the making were used as basis.• **8.2 Exposure controls**• **Appropriate engineering controls** No further data; see item 7.• **Individual protection measures, such as personal protective equipment**• **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

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Be sure to clean skin thoroughly after work and before breaks.

• **Respiratory protection:** Not required.

• **Hand protection**

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 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/face 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

• **Environmental exposure controls** 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**

• **Physical state**

Fluid

• **Colour:**

Colourless

• **Odour:**

Alcohol-like

• **Odour threshold:**

Not determined.

• **Melting point/freezing point:**

Undetermined.

• **Boiling point or initial boiling point and boiling range**

78°C

• **Flammability**

Undetermined.

• **Lower and upper explosion limit**

• **Lower:**

3.5 Vol %

• **Upper:**

15 Vol %

• **Flash point:**

70°C (Seta Flash Closed Cup)

• **Auto-ignition temperature:**

Product is not selfigniting.

• **Decomposition temperature:**

Not determined.

• **pH at 20°C**

7.5

• **Viscosity:**

• **Kinematic viscosity at 20°C**

22 s (ISO 3 mm)

• **Dynamic:**

Not determined.

• **Solubility**

• **water:**

Fully miscible.

• **Partition coefficient n-octanol/water (log value)**

Not determined.

• **Vapour pressure at 20°C:**

59 hPa

• **Density and/or relative density**

• **Density at 20°C:**

0.978 g/cm³

• **Relative density**

Not determined.

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· Vapour density	Not determined.
· 9.2 Other information	No self-sustaining combustion. Tested in accordance with DIN EN ISO 9038, test L.2 corresponds to subsection 32.5.2 of Part III.
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	425°C
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	16.6 %
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

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:**
Reacts with strong oxidising agents.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
- **10.6 Hazardous decomposition products:** Danger of forming toxic pyrolysis 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.

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· **LD/LC50 values relevant for classification:****5131-66-8 3-butoxypropan-2-ol**

Oral | LD50 | 2,100-5,500 mg/kg (rat)

Dermal | LD50 | >2,000 mg/kg (rat)

· **Skin corrosion/irritation**

No data available.

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

· **Serious eye damage/irritation**

No data available.

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

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.· **Carcinogenicity** Based on available data, the classification criteria are not met.· **Reproductive toxicity** 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.· **Aspiration hazard** Based on available data, the classification criteria are not met.· **Additional toxicological information:**· **Repeated dose toxicity** Undetermined.· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** Undetermined.· **11.2 Information on other hazards**· **Endocrine disrupting properties**

78-93-3 | butanone

List II

SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****5131-66-8 3-butoxypropan-2-ol**

EC50/48h | >1,000 mg/l (Daphnia magna)

· **12.2 Persistence and degradability**

The surfactants contained in the product correspond to the legislation on the environmental compatibility of detergents and are biodegradable.

The solvent is biodegradable.

· **12.3 Bioaccumulative potential** Undetermined.· **12.4 Mobility in soil** No further relevant information available.· **12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Endocrine disrupting properties**

For information on endocrine disrupting properties see section 11.

· **12.7 Other adverse 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.

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SECTION 13: Disposal considerations· **13.1 Waste treatment methods**· **Recommendation**

Must be specially treated adhering to official regulations.

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

· **Uncleaned packaging:**· **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Packagings that may not be cleansed are to be disposed of in the same manner as the product.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.**SECTION 14: Transport information**· **14.1 UN number or ID 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 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**· **ADR**· **Remarks:**

Not classified as Dangerous Good according to Special Provision 144, chap. 3.3 ADR.

· **UN "Model Regulation":**

Void

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.· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

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- **National regulations:**
- **Information about limitation of use:** Employment restrictions concerning juveniles must be observed.
- **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.
- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- EUH066 Repeated exposure may cause skin dryness or cracking.

· **Training hints ---**· **Recommended restriction of use ---**· **Department issuing SDS:** Department for product development· **Contact:** Dr. Reindl· **Version number of previous version:** 9· **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)

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· **Sources** Safety data sheet for raw materials, eur-lex.europa.eu