# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.06.2021 Version number 4 Revision: 29.10.2020

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

· **1.1 Product identifier**

· **Identification of the substance/preparation:** *Dr. Schutz ESD Color Base*
· **1.2 Relevant identified uses of the substance or mixture and uses advised against** Not required.
· **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
· **Application of the substance / the mixture** Floor 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:
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** Not applicable
· **Hazard pictograms** Not applicable
· **Signal word** Not applicable
· **Hazard statements** Not applicable
· **Additional information:**
EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
EUH210 Safety data sheet available on request.
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

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· **Dangerous components:**

| | | |
|---|---|---|
| | Titandioxid<br>Carc. 2, H351, EUH211 | 10-25% |
| CAS: 14808-60-7<br>EINECS: 238-878-4 | Quartz (SiO2)<br>STOT RE 2, H373 | ≥5-<10% |
| CAS: 57-55-6<br>EINECS: 200-338-0 | Propylene glycol<br>substance with a Community workplace exposure limit | 1-5% |
| CAS: 55965-84-9<br>Index number: 613-167-00-5 | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)<br>Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317<br>Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 %<br>Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 %<br>Eye Dam. 1; H318: C ≥ 0.6 %<br>Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 %<br>Skin Sens. 1A; H317: C ≥ 0.0015 % | <0.00025% |

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

preservation agents (BENZISOTHIAZOLINONE, METHYLCHLOROISOTHIAZOLINONE / METHYLISOTHIAZOLINONE, METHYLISOTHIAZOLINONE)

· **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.
· **After inhalation:** No special measures required.
· **After skin contact:** 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:** Use fire extinguishing methods suitable to surrounding conditions.
· **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**
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.



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## 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).
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.
Store in cool, dry place in tightly closed receptacles.
· **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

· **8.1 Control parameters**

| · **Exposure limit values:** | |
|---|---|
| **57-55-6 Propylene glycol** | |
| WEL | Long-term value: 474* 10** mg/m³, 150* ppm<br>*total vapour and particulates **particulates |

· **DNELs** No further relevant information available.
· **PNECs** No further relevant information available.
· **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:**
Be sure to clean skin thoroughly after work and before breaks.
Use skin protection cream for skin protection.
Wash hands before breaks and at the end of work.
· **Respiratory protection:** Not required.
· **Hand protection**
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.

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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 trough 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:** | Different according to colouring |
| · **Odour:** | Mild |
| · **Odour threshold:** | Not determined. |
| · **Melting point/freezing point:** | Undetermined. |
| · **Boiling point or initial boiling point and boiling range** | 100°C (7732-18-5 water, distilled, conductivity or of similar purity) |
| · **Flammability** | Undetermined. |
| · **Lower and upper explosion limit** | |
| · **Lower:** | Not determined. |
| · **Upper:** | Not determined. |
| · **Flash point:** | >100°C (Seta Flash Closed Cup) |
| · **Auto-ignition temperature:** | Product is not selfigniting. |
| · **Decomposition temperature:** | Not determined. |
| · **pH at 20°C** | 8 |
| · **Viscosity:** | |
| · **Kinematic viscosity at 20°C** | 23 s (DIN 53211/4) |
| · **Dynamic:** | Not determined. |
| · **Solubility** | |
| · **water:** | Not miscible or difficult to mix. |
| · **Partition coefficient n-octanol/water (log value)** | Not determined. |
| · **Vapour pressure at 20°C:** | 23 hPa (7732-18-5 water, distilled, conductivity or of similar purity) |
| · **Density and/or relative density** | |
| · **Density at 20°C:** | 1-1.2 g/cm³ |
| · **Relative density** | Not determined. |
| · **Vapour density** | Not determined. |

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| | |
|---|---|
| · **9.2 Other information** | |
| · **Appearance:** | |
| · **Form:** | Fluid |
| · **Important information on protection of health and environment, and on safety.** | |
| · **Explosive properties:** | Product does not present an explosion hazard. |
| · **Solvent content:** | |
| · **Organic solvents:** | 11.8 % |
| · **VOC (EC)** | 11.8 % |
| · **Change in condition** | |
| · **Evaporation rate** | Not determined. |

| | |
|---|---|
| · **Information with regard to physical hazard classes** | |
| · **Explosives** | Not applicable |
| · **Flammable gases** | Not applicable |
| · **Aerosols** | Not applicable |
| · **Oxidising gases** | Not applicable |
| · **Gases under pressure** | Not applicable |
| · **Flammable liquids** | Not applicable |
| · **Flammable solids** | Not applicable |
| · **Self-reactive substances and mixtures** | Not applicable |
| · **Pyrophoric liquids** | Not applicable |
| · **Pyrophoric solids** | Not applicable |
| · **Self-heating substances and mixtures** | Not applicable |
| · **Substances and mixtures, which emit flammable gases in contact with water** | Not applicable |
| · **Oxidising liquids** | Not applicable |
| · **Oxidising solids** | Not applicable |
| · **Organic peroxides** | Not applicable |
| · **Corrosive to metals** | Not applicable |
| · **Desensitised explosives** | Not applicable |

## 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 hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity**

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

| **Titandioxid** | | |
|---|---|---|
| Oral | LD50 | >20,000 mg/kg (rat) |
| Dermal | LD50 | >10,000 mg/kg (rabbit) |
| Inhalative | LC50/4h | >6.82 mg/l (rat) |

· **Skin corrosion/irritation** No data available.

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· **Additional toxicological information:**
· **Repeated dose toxicity** Undetermined.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** Undetermined.
· **11.2 Information on other hazards**

| · **Endocrine disrupting properties** | | |
|---|---|---|
| 541-02-6 | 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane | List II |
| 556-67-2 | octamethylcyclotetrasiloxane | List II; III |

## SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **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 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

## SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **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.

## SECTION 14: Transport information

· **14.1 UN number or ID number**
· **ADR, IMDG, IATA** Not applicable

· **14.2 UN proper shipping name**
· **ADR, IMDG, IATA** Not applicable

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| | |
|---|---|
| · **14.3 Transport hazard class(es)** | |
| · **ADR, ADN, IMDG, IATA** | |
| · **Class** | Not applicable |
| · **14.4 Packing group** | |
| · **ADR, IMDG, IATA** | Not applicable |
| · **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. |
| · **UN "Model Regulation":** | Not applicable |

## 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**
H301 Toxic if swallowed.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
· **Training hints** ---
· **Recommended restriction of use** ---

· **Department issuing SDS:** Department for product development
· **Contact:** Dr. Reindl
· **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

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ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
ADR: Accord relatif au transport international 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)
VOC: Volatile Organic Compounds (USA, EU)
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
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 2: Acute toxicity – Category 2
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Carc. 2: Carcinogenicity – Category 2
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1