Dr. Schutz®

# Safety Data Sheet
acc. to OSHA HCS

Printing date 06/15/2021 Reviewed on 10/29/2020

## 1 Identification

· **Product identifier**

· **Trade name:** *Dr. Schutz ESD Topcoat*
· **Application of the substance / the mixture** Floor cleaner

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Supplier:
Dr. Schutz GmbH
Holbeinstraße 17
D-53175 Bonn
Tel: +49 228/95 35 2-0
Fax: +49 228/95 35 2-46
E-Mail: export@dr-schutz.com

Import:
Schutz NA LLC
8701 Torresdale Ave
Suite P
Philadelphia PA 19136
USA
Tel.: +1 (877) 272-4889
Mobile: +1 610-310-2412
E-Mail: sam@dr-schutz.us
Web: www.schutzna.com
· **Information department:** Department for product development
· **Emergency telephone number:**
Dr. Schutz NA,
Contact: Sam Jamison
Tel.: 001/877 2724889
Mo-Fr 8am - 7pm

## 2 Hazard(s) identification

· **Classification of the substance or mixture**


GHS08 Health hazard

Carc. 1A H350 May cause cancer.

· **Label elements**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**


GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
Quartz (SiO2)
· **Hazard statements**
May cause cancer.
· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
Store locked up.

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Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Information pertaining to particular dangers for man and environment:**

· **NFPA ratings (scale 0 - 4)**


Health = 0
Fire = 1
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**


Health = *0
Fire = 1
Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

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

| · **Dangerous components:** | | |
|---|---|---|
| 111-90-0 | Diethylene glycol monoethyl ether | 1-5% |
| 14808-60-7 | Quartz (SiO2) | 1-5% |
| 121-44-8 | triethylamine | ≥0.1-<1% |

## 4 First-aid measures

· **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.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**
No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

## 5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents:** Nicht anwendbar

· **Special hazards arising from the substance or mixture** Danger of toxic pyrolysis products.

· **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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## 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Avoid contact with the eyes and skin.
Particular danger of slipping on leaked/spilled product.
· **Environmental precautions:**
Prevent from spreading (e.g. by damming-in or oil barriers).
Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
· **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.
· **Protective Action Criteria for Chemicals**

| · **PAC-1:** | | |
|---|---|---|
| 111-90-0 | Diethylene glycol monoethyl ether | 75 ppm |
| 14808-60-7 | Quartz (SiO2) | 0.075 mg/m³ |
| 121-44-8 | triethylamine | 1 ppm |
| 112945-52-5 | Siliciumdioxid, auf chemischem Weg gewonnen | 18 mg/m³ |
| 9005-00-9 | Polyoxyethylenstearylether | 5.7 mg/m³ |
| 67-63-0 | propan-2-ol | 400 ppm |
| 7447-41-8 | lithium chloride | 2.3 mg/m³ |
| 556-67-2 | octamethylcyclotetrasiloxane | 30 ppm |
| 26172-55-4 | 5-chloro-2-methyl-2H-isothiazol-3-one | 0.6 mg/m³ |

| · **PAC-2:** | | |
|---|---|---|
| 111-90-0 | Diethylene glycol monoethyl ether | 100 ppm |
| 14808-60-7 | Quartz (SiO2) | 33 mg/m³ |
| 121-44-8 | triethylamine | 170 ppm |
| 112945-52-5 | Siliciumdioxid, auf chemischem Weg gewonnen | 100 mg/m³ |
| 9005-00-9 | Polyoxyethylenstearylether | 63 mg/m³ |
| 67-63-0 | propan-2-ol | 2000* ppm |
| 7447-41-8 | lithium chloride | 25 mg/m³ |
| 556-67-2 | octamethylcyclotetrasiloxane | 68 ppm |
| 26172-55-4 | 5-chloro-2-methyl-2H-isothiazol-3-one | 6.6 mg/m³ |

| · **PAC-3:** | | |
|---|---|---|
| 111-90-0 | Diethylene glycol monoethyl ether | 450 ppm |
| 14808-60-7 | Quartz (SiO2) | 200 mg/m³ |
| 121-44-8 | triethylamine | 1,000 ppm |
| 112945-52-5 | Siliciumdioxid, auf chemischem Weg gewonnen | 630 mg/m³ |
| 9005-00-9 | Polyoxyethylenstearylether | 380 mg/m³ |
| 67-63-0 | propan-2-ol | 12000** ppm |
| 7447-41-8 | lithium chloride | 150 mg/m³ |
| 556-67-2 | octamethylcyclotetrasiloxane | 130 ppm |
| 26172-55-4 | 5-chloro-2-methyl-2H-isothiazol-3-one | 40 mg/m³ |



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## 7 Handling and storage

· **Handling:**
· **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 protection against explosions and fires:**
No special precautions are necessary if used correctly.

· **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.
· **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

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

· **Control parameters**
· **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

| **111-90-0 Diethylene glycol monoethyl ether** | |
|---|---|
| WEEL | Long-term value: 25 ppm |
| **121-44-8 triethylamine** | |
| PEL | Long-term value: 100 mg/m³, 25 ppm |
| TLV | Short-term value: 4.14 mg/m³, 1 ppm<br>Long-term value: 2.07 mg/m³, 0.5 ppm<br>Skin |

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**
· **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.
· **Breathing equipment:** Not required.
· **Protection of hands:**
Avoid direct contact with the chemical/ the product/ the preparation by organizational 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 substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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· **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 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.

## 9 Physical and chemical properties

| | |
|---|---|
| · **Information on basic physical and chemical properties** | |
| · **General Information** | |
| · **Appearance:** | |
| **Form:** | Fluid |
| **Color:** | Grey |
| · **Odor:** | Light |
| · **Odor threshold:** | Not determined. |
| · **pH-value at 20°C (68°F):** | 8 |
| · **Change in condition** | |
| **Melting point/Melting range:** | Undetermined. |
| **Boiling point/Boiling range:** | 100°C (212°F) |
| · **Flash point:** | >100°C (>212°F) (Seta Flash Closed Cup) |
| · **Flammability (solid, gaseous):** | Undetermined. |
| · **Decomposition temperature:** | Not determined. |
| · **Auto igniting:** | Product is not selfigniting. |
| · **Danger of explosion:** | Product does not present an explosion hazard. |
| · **Explosion limits:** | |
| **Lower:** | Not determined. |
| **Upper:** | Not determined. |
| · **Vapor pressure at 20°C (68°F):** | 23 hPa (17.3 mm Hg) |
| · **Density at 20°C (68°F):** | 1.006 g/cm³ (8.395 lbs/gal) |
| · **Relative density** | Not determined. |
| · **Vapor density** | Not determined. |
| · **Evaporation rate** | Not determined. |
| · **Solubility in / Miscibility with** | |
| **Water:** | Not miscible or difficult to mix. |
| · **Partition coefficient (n-octanol/water):** | Not determined. |
| · **Viscosity:** | |
| **Dynamic:** | Not determined. |
| **Kinematic at 20°C (68°F):** | 30 s (DIN 53211/4) |
| · **Solvent content:** | |
| **Organic solvents:** | 6.1 % |
| **VOC content ASTM D3960:** | 6.08 %<br>61.2 g/l / 0.51 lb/gal |

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· **Other information** No further relevant information available.

## 10 Stability and reactivity

· **Reactivity** siehe Abschnitt "Möglichkeit gefährlicher Reaktionen"
· **Chemical stability** keine Angaben
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No dangerous reactions known.
· **Hazardous decomposition products:** Danger of toxic pyrolysis products.

## 11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**
· **Primary irritant effect:**
· **on the skin:** Keine Daten verfügbar.
· **on the eye:** No irritating effect.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**

· **Carcinogenic categories**

| · **IARC (International Agency for Research on Cancer)** | | |
|---|---|---|
| 14807-96-6 | Talc (Mg3H2(SiO3)4) | 3 |
| 14808-60-7 | Quartz (SiO2) | 1 |
| 67-63-0 | propan-2-ol | 3 |

| · **NTP (National Toxicology Program)** | | |
|---|---|---|
| 14808-60-7 | Quartz (SiO2) | K |

| · **OSHA-Ca (Occupational Safety & Health Administration)** |
|---|
| None of the ingredients is listed. |

## 12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **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.
· **Behavior in environmental systems:**
· **Bioaccumulative potential** Undetermined.
· **Mobility in soil** No further relevant information available.
· **Ecotoxical effects:**
· **Behavior 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.

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· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (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.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

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

· **Uncleaned packagings:**
· **Recommendation:**
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

## 14 Transport information

| | |
|---|---|
| · **UN-Number** | |
| · **DOT, ADR, ADN, IMDG, IATA** | Not applicable |
| · **UN proper shipping name** | |
| · **DOT, ADR, ADN, IMDG, IATA** | Not applicable |
| · **Transport hazard class(es)** | |
| · **DOT, ADR, ADN, IMDG, IATA** | |
| · **Class** | Not applicable |
| · **Packing group** | |
| · **DOT, ADR, IMDG, IATA** | Not applicable |
| · **Environmental hazards:** | |
| · **Marine pollutant:** | No |
| · **Special precautions for user** | Not applicable. |
| · **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** | Not applicable. |
| · **UN "Model Regulation":** | Not applicable |

## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Sara**

· **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

| | |
|---|---|
| 111-90-0 | Diethylene glycol monoethyl ether |
| 121-44-8 | triethylamine |

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| | |
|---|---|
| 143-22-6 | 2-[2-(2-butoxyethoxy)ethoxy]ethanol |
| 67-63-0 | propan-2-ol |

· **TSCA (Toxic Substances Control Act):**

| | | |
|---|---|---|
| 7732-18-5 | water, distilled, conductivity or of similar purity | ACTIVE |
| 111-90-0 | Diethylene glycol monoethyl ether | ACTIVE |
| 14807-96-6 | Talc (Mg3H2(SiO3)4) | ACTIVE |
| 14808-60-7 | Quartz (SiO2) | ACTIVE |
| 29911-28-2 | (2-butoxymethylethoxy)propanol | ACTIVE |
| 121-44-8 | triethylamine | ACTIVE |
| | Polyethersiloxan-Copolymer without labeling | * |
| | Polyethersiloxan-Copolymer without labeling | * |
| 1174627-68-9 | Pentanoic acid, 5-(dimethylamino)-2-methyl-5-oxo-, methylester | ACTIVE |
| 143-22-6 | 2-[2-(2-butoxyethoxy)ethoxy]ethanol | ACTIVE |
| 2634-33-5 | 1,2-benzisothiazol-3(2H)-one | ACTIVE |
| 9005-00-9 | Polyoxyethylenstearylether | ACTIVE |
| 67-63-0 | propan-2-ol | ACTIVE |
| 7447-41-8 | lithium chloride | ACTIVE |
| 541-02-6 | 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane | ACTIVE |
| 556-67-2 | octamethylcyclotetrasiloxane | ACTIVE |
| 2682-20-4 | 2-methyl-2H-isothiazol-3-one | ACTIVE |
| 26172-55-4 | 5-chloro-2-methyl-2H-isothiazol-3-one | ACTIVE |

· **Hazardous Air Pollutants**

| | |
|---|---|
| 121-44-8 | triethylamine |

· **Proposition 65**

· **Chemicals known to cause cancer:**

| | |
|---|---|
| 14808-60-7 | Quartz (SiO2) |

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

| | | |
|---|---|---|
| 14807-96-6 | Talc (Mg3H2(SiO3)4) | A4 |
| 14808-60-7 | Quartz (SiO2) | A2 |
| 121-44-8 | triethylamine | A4 |
| 67-63-0 | propan-2-ol | A4 |

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

| | |
|---|---|
| 14808-60-7 | Quartz (SiO2) |

· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms**

GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
Quartz (SiO2)
· **Hazard statements**
May cause cancer.
· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations**
Other regulations (EC): Regulation (EC) No 648/2004
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 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.

· **Training hints** ---
· **Recommended restriction of use** ---

· **Department issuing SDS:** Department for product development
· **Contact:** Dr. Reindl
· **Date of preparation / last revision** 06/15/2021 / 3
· **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 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
DOT: US Department of Transportation
IATA: International Air Transport Association
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Carc. 1A: Carcinogenicity – Category 1A