

# Safety Data Sheet

acc. to OSHA HCS

Printing date 09/08/2025

Reviewed on 10/12/2023

## 1 Identification

- **Product identifier**
- **Trade name:** *Dr. Schutz Active Cleaner R 280*
- **Application of the substance / the mixture** Cleaning material/ Detergent
- **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  
219 Monroe Street  
Suite P  
19464 Stowe, Pennsylvania  
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**



Eye Irritation 2A H319 Causes serious eye irritation.

- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard statements**

H319 Causes serious eye irritation.

(Contd. on page 2)

US

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 09/08/2025

Reviewed on 10/12/2023

**Trade name:** *Dr. Schutz Active Cleaner R 280*

(Contd. of page 1)

- **Information pertaining to particular dangers for man and environment:**
- **NFPA ratings (scale 0 - 4)**



Health = 2  
Fire = 0  
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = \*2  
Fire = 0  
Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**3 Composition/information on ingredients**

- **Identification number(s)** 4XE0-50KC-5006-06GK
- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

**Dangerous components:**

|            |  |        |
|------------|--|--------|
| 97489-15-1 | Sulfonic acid, C14-17-sec-alkane, sodium salts | ≥1-<3% |
|------------|--|--------|

**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** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

(Contd. on page 3)

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 09/08/2025

Reviewed on 10/12/2023

**Trade name:** *Dr. Schutz Active Cleaner R 280*

(Contd. of page 2)

· **Additional information**

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

**6 Accidental release measures**

· **Personal precautions, protective equipment and emergency procedures**

Avoid contact with the eyes and skin.  
Wear protective clothing.  
Particular danger of slipping on leaked/spilled product.

· **Environmental precautions:** 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:**

|           |            |                       |
|-----------|------------|-----------------------|
| 5989-27-5 | d-limonene | 15 ppm                |
| 99-87-6   | p-cymene   | 120 mg/m <sup>3</sup> |
| 4602-84-0 | Farnesol   | 18 mg/m <sup>3</sup>  |

· **PAC-2:**

|           |            |                         |
|-----------|------------|-------------------------|
| 5989-27-5 | d-limonene | 67 ppm                  |
| 99-87-6   | p-cymene   | 1,300 mg/m <sup>3</sup> |
| 4602-84-0 | Farnesol   | 200 mg/m <sup>3</sup>   |

· **PAC-3:**

|           |            |                         |
|-----------|------------|-------------------------|
| 5989-27-5 | d-limonene | 170 ppm                 |
| 99-87-6   | p-cymene   | 1,900 mg/m <sup>3</sup> |
| 4602-84-0 | Farnesol   | 1,200 mg/m <sup>3</sup> |

**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.  
Wear protective equipment. Keep unprotected persons away.

· **Information about protection against explosions and fires:** No special measures required.

· **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:** Not required.

· **Further information about storage conditions:** Store receptacle in a well ventilated area.

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

US

(Contd. on page 4)

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 09/08/2025

Reviewed on 10/12/2023

**Trade name:** *Dr. Schutz Active Cleaner R 280*

(Contd. of page 3)

**8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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.  
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**  
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 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:** Light weight protective clothing

**9 Physical and chemical properties**

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

|                          |                 |
|--------------------------|-----------------|
| · <b>Form:</b>           | Fluid           |
| · <b>Color:</b>          | Colorless       |
| · <b>Odor:</b>           | Sweetish        |
| · <b>Odor threshold:</b> | Not determined. |

· **pH-value at 20°C (68°F):** 9.3

· **Change in condition**

· **Melting point/Melting range:** Undetermined.

(Contd. on page 5)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 09/08/2025

Reviewed on 10/12/2023

Trade name: *Dr. Schutz Active Cleaner R 280*

(Contd. of page 4)

|   |   |
|---|---|
| <b>Boiling point/Boiling range:</b>               | Undetermined.                                 |
| · <b>Flash point:</b>                             | Not applicable.                               |
| · <b>Flammability:</b>                            | Not applicable.                               |
| · <b>Decomposition temperature:</b>               | Not determined.                               |
| · <b>Ignition temperature:</b>                    | Product is not selfigniting.                  |
| · <b>Danger of explosion:</b>                     | Product does not present an explosion hazard. |
| · <b>Explosion limits:</b>                        |   |
| Lower:  | Not determined.                               |
| Upper:  | Not determined.                               |
| · <b>Vapor pressure at 20°C (68°F):</b>           | 23 hPa (17.3 mm Hg)                           |
| · <b>Density at 20°C (68°F):</b>                  | 1.023 g/cm <sup>3</sup> (8.537 lbs/gal)       |
| · <b>Relative density</b>                         | Not determined.                               |
| · <b>Vapor density</b>                            | Not determined.                               |
| · <b>Evaporation rate</b>                         | Not determined.                               |
| · <b>Solubility in / Miscibility with Water:</b>  | Not miscible or difficult to mix.             |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                               |
| · <b>Viscosity:</b>                               |   |
| Dynamic:  | Not determined.                               |
| Kinematic at 20°C (68°F):                         | 22 s (ISO 3 mm)                               |
| · <b>Solvent content:</b>                         |   |
| Organic solvents:                                 | 0.1 %   |
| VOC content ASTM D3960:                           | 0.06 %  |
| · <b>Other information</b>                        | 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 according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

US

(Contd. on page 6)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 09/08/2025

Reviewed on 10/12/2023

Trade name: *Dr. Schutz Active Cleaner R 280*

(Contd. of page 5)

### 11 Toxicological information

- Information on toxicological effects

- Acute toxicity:

- LD/LC50 values that are relevant for classification:

**97489-15-1 Sulfonic acid, C14-17-sec-alkane, sodium salts**

|        |      |                                   |
|--------|------|-----------------------------------|
| Oral   | LD50 | >500-2,000 mg/kg (rat) (OECD 401) |
| Dermal | LD50 | >2,000 mg/kg (mouse)              |

- 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)

|           |                      |    |
|-----------|----------------------|----|
| 5989-27-5 | d-limonene           | 3  |
| 97-53-0   | Eugenol              | 3  |
| 93-15-2   | Eugenyl methyl ether | 2A |

- NTP (National Toxicology Program)

|         |                      |   |
|---------|----------------------|---|
| 93-15-2 | Eugenyl methyl ether | R |
|---------|----------------------|---|

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

### 12 Ecological information

- Toxicity

- Aquatic toxicity:

**97489-15-1 Sulfonic acid, C14-17-sec-alkane, sodium salts**

|          |                           |
|----------|---------------------------|
| EC50/48h | 9.81 mg/l (Daphnia magna) |
| LC50/96h | 1-10 mg/l (Danio rerio)   |

- 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 No further relevant information available.

- Mobility in soil No further relevant information available.

- Additional ecological information:

- General notes:

Water hazard class 2 (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.

- Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

(Contd. on page 7)

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 09/08/2025

Reviewed on 10/12/2023

**Trade name:** *Dr. Schutz Active Cleaner R 280*

· **Other adverse effects** No further relevant information available. (Contd. of page 6)

**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:** Disposal must be made according to official regulations.

**14 Transport information**

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

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **Sara**

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

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

|         |                      |
|---------|----------------------|
| 52-51-7 | bronopol (INN)       |
| 93-15-2 | Eugenyl methyl ether |

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

|           |   |        |
|-----------|---|--------|
| 7732-18-5 | water, distilled, conductivity or of similar purity | ACTIVE |
|-----------|---|--------|

(Contd. on page 8)

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 09/08/2025

Reviewed on 10/12/2023

**Trade name:** *Dr. Schutz Active Cleaner R 280*

(Contd. of page 7)

|             |   |        |
|-------------|---|--------|
| 68439-51-0  | Alkohole, C12-14, ethoxyliert, propoxyliert                                   | ACTIVE |
| 68891-38-3  | Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts | ACTIVE |
| 69011-36-5  | isotridecanol, ethoxylated (3/4/5 EO)   | ACTIVE |
| 68515-73-1  | D-Glucopyranose, oligomers, decyl octyl glycosides                            | ACTIVE |
| 110615-47-9 | Alkylpolyglycoside, C10-16  | ACTIVE |
| 110-98-5    | Dipropylene glycol  | ACTIVE |
| 61791-32-0  | cocoamphoacetate, sodium salt   | ACTIVE |
| 52-51-7     | bronopol (INN)  | ACTIVE |
| 106-23-0    | citronellal   | ACTIVE |
| 5989-27-5   | d-limonene  | ACTIVE |
| 106-22-9    | dl-Citronellol  | ACTIVE |
| 106-24-1    | geraniol  | ACTIVE |
| 80-56-8     | alpha-Pinene  | ACTIVE |
| 5392-40-5   | citral  | ACTIVE |
| 105-87-3    | geranyl acetate   | ACTIVE |
| 97-53-0     | Eugenol   | ACTIVE |
| 470-82-6    | eucalyptol  | ACTIVE |
| 78-70-6     | Linalool  | ACTIVE |
| 106-25-2    | Nerol   | ACTIVE |
| 87-44-5     | beta-Caryophyllene  | ACTIVE |
| 127-91-3    | beta-Pinene   | ACTIVE |
| 99-85-4     | p-Mentha-1,4-diene  | ACTIVE |
| 99-87-6     | p-cymene  | ACTIVE |
| 93-16-3     | Isoeugenyl methyl ether   | ACTIVE |
| 13466-78-9  | delta-3-Carene  | ACTIVE |
| 93-15-2     | Eugenyl methyl ether  | ACTIVE |
| 4602-84-0   | Farnesol  | ACTIVE |
| 16409-43-1  | Tetrahydro-4-methyl-2-(2-methylpropen-1-yl)pyran                              | ACTIVE |

**· Hazardous Air Pollutants**

None of the ingredients is listed.

**· Proposition 65**

**· Chemicals known to cause cancer:**

93-15-2 | Eugenyl methyl ether

**· 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.

(Contd. on page 9)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 09/08/2025

Reviewed on 10/12/2023

Trade name: *Dr. Schutz Active Cleaner R 280*

(Contd. of page 8)

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value)**

|            |                |    |
|------------|----------------|----|
| 80-56-8    | alpha-Pinene   | A4 |
| 127-91-3   | beta-Pinene    | A4 |
| 13466-78-9 | delta-3-Carene | A4 |

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

None of the ingredients is listed.

- **GHS label elements**

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

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard statements**

H319 Causes serious eye irritation.

- **Precautionary statements**

P264

Wash thoroughly after handling.

P280

Wear eye protection / face protection.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313

If eye irritation persists: Get medical advice/attention.

- **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.

- **Department issuing SDS:** Department for product development

- **Contact:**

- **Date of preparation / last revision** 09/08/2025 / 25

- **Abbreviations and acronyms:**

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

(Contd. on page 10)

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 09/08/2025

Reviewed on 10/12/2023

**Trade name:** *Dr. Schutz Active Cleaner R 280*

(Contd. of page 9)

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  
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

US