

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 21.12.2020

Version number 12

Revision: 14.03.2019

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

#### • 1.1 Product identifier

• **Identification of the substance/preparation:** *Dr. Schutz Disinfectant Cleaner*

• **UFI:** H820-A0QC-G00V-1S7T

#### • 1.2 Relevant identified uses of the substance or mixture and uses advised against

##### • Sector of Use

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

• **Application of the substance / the mixture** Surface disinfectant

#### • 1.3 Details of the supplier of the safety data sheet

##### • Company/undertaking identification:

Dr. Schutz GmbH

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D-53175 Bonn

Germany

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Smeaton Close, Aylesbury Bucks

HP19 8UP

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email: steve@dr-schutz.com

• **Further information obtainable from:** Department for product development

#### • 1.4 Emergency telephone number:

GBK Gefahrgut Büro GmbH

telephone: +49 (0)6132 84463

(24-Hour-Number)

### SECTION 2: Hazards identification

#### • 2.1 Classification of the substance or mixture

##### • Classification according to Regulation (EC) No 1272/2008



GHS05 corrosion

Met. Corr. 1            H290 May be corrosive to metals.

Eye Dam. 1            H318 Causes serious eye damage.



GHS09 environment

Aquatic Acute 1        H400 Very toxic to aquatic life.

Aquatic Chronic 2    H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2            H315 Causes skin irritation.

#### • 2.2 Label elements

##### • Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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## · Hazard pictograms



GHS05 GHS09

## · Signal word Danger

## · Hazard-determining components of labelling:

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Isotridecanol, ethoxyliert (&gt;5-20EO)

Lactic acid

Alcohols, C12-14(even numbered), ethoxylated &lt; 2.5 EO, sulfates, sodium salts

## · Hazard statements

H290 May be corrosive to metals.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

## · Precautionary statements

P280 Wear protective gloves / 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.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## · 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.

## · Dangerous components:

|  |   |           |
|--|---|-----------|
| CAS: 2372-82-9<br>EINECS: 219-145-8<br>Reg.nr.: 01-2119980592-29 | N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine<br>☠ Acute Tox. 3, H301; ☠ STOT RE 2, H373; ☠ Skin Corr. 1A, H314; ☠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1) | ≥5-<10%   |
| CAS: 69011-36-5  | Isotridecanol, ethoxyliert (>5-20EO)<br>☠ Eye Dam. 1, H318; ☠ Acute Tox. 4, H302  | ≥3-≤5%    |
| CAS: 50-21-5   | Lactic acid<br>☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; STOT SE 3, H335   | ≥1-<3%    |
| CAS: 68891-38-3<br>Reg.nr.: 01-2119488639-16                     | Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts<br>☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; Aquatic Chronic 3, H412                             | ≥1-<2.5%  |
| CAS: 5538-95-4<br>EINECS: 226-902-6                              | N-Dodecylpropan-1,3-diamin<br>☠ Skin Corr. 1A, H314; ☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400; ☠ Acute Tox. 4, H302  | ≥0.25-<1% |

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

non-ionic surfactants, anionic surfactants

&lt;5%

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disinfectants

- **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:**  
Personal protection for the First Aider.  
Immediately remove any clothing soiled by the product.
- **After inhalation:**  
Take affected persons into fresh air and keep quiet.  
Use a respiratory bag or breathing device.  
Call a doctor immediately.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
Call a doctor immediately.  
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Drink plenty of water and provide fresh air. Call for a doctor immediately.  
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:**  
Fire-extinguishing powder  
Water spray  
Foam  
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**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **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.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
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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- Use neutralising agent.
- Dispose contaminated material as waste according to item 13.
- Ensure adequate ventilation.
- **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.
- Wear protective equipment. Keep unprotected persons away.
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- **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 the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
- Keep container tightly sealed.
- 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:**
- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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:**
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.
- **Respiratory protection:**
- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Hand protection**



Protective gloves

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.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Nitrile rubber, NBR

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**

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level -).

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**

Face protection



Tightly sealed goggles

- **Body protection:** Light weight protective clothing

**SECTION 9: Physical and chemical properties**

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

- **General Information**

- **Physical state**

Fluid

- **Colour:**

Yellowish

- **Odour:**

Amine-like

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Undetermined.

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

100°C

- **Flammability**

Not applicable.

- **Lower and upper explosion limit**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Flash point:**

Not applicable.

- **Auto-ignition temperature:**

Product is not selfigniting.

- **Decomposition temperature:**

Not determined.

- **pH at 20°C**

10

- **Viscosity:**

- **Kinematic viscosity**

Not determined.

- **Dynamic at 20°C:**

5 mPas

- **Solubility**

- **water:**

Fully miscible.

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

Not determined.

- **Vapour pressure at 20°C:**

23 hPa

- **Density and/or relative density**

- **Density at 20°C:**

1.02 g/cm<sup>3</sup>

- **Relative density**

Not determined.

- **Vapour density**

Not determined.

- **9.2 Other information**

- **Appearance:**

- **Form:**

Fluid

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- **Important information on protection of health and environment, and on safety.**
- **Explosive properties:** Product does not present an explosion hazard.
- **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** May be corrosive to metals.
- **Desensitised explosives** Void

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** see section "Possibility of hazardous reactions".
- **10.2 Chemical stability**  
Stable at environment temperature.  
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.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**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.

· **LD/LC50 values relevant for classification:****2372-82-9 N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine**

Oral LD50 261 mg/kg (rat) (OECD 401)

Dermal LD50 &gt;600 mg/kg (rat)

**69011-36-5 Isotridecanol, ethoxyliert (>5-20EO)**

Oral LD50 500-2,000 mg/kg (rat)

**68891-38-3 Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts**

Oral LD50 &gt;2,000 mg/kg (rat) (OECD 401)

Dermal LD50 &gt;2,000 mg/kg (rat) (OECD 402)

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- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye damage.
- **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.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**· **12.1 Toxicity**· **Aquatic toxicity:****2372-82-9 N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine**

EC50/48h 73 mg/l (Daphnia magna)

EC50/96h 0.68 mg/l (Oncorhynchus mykiss (Rainbow trout)) (OECD 203)

**68891-38-3 Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts**

EC50/48h 7.4 mg/l (Daphnia magna) (OECD 202)

LC50/96h (dynamic) 7.1 mg/l (Danio rerio) (OECD 203)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **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**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**· **Additional ecological information:**· **General notes:**

Avoid transfer into the environment.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even small quantities leak into the ground.

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

Disposal must be made according to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

20 01 29\* detergents containing hazardous substances

07 06 01\* aqueous washing liquids and mother liquors

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- **Uncleaned packaging:**
- **Recommendation:**  
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<br>· ADR, IMDG, IATA  | UN3267  |
| · 14.2 UN proper shipping name<br>· ADR<br><br>· IMDG, IATA   | 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine), MARINE POLLUTANT/<br>ENVIRONMENTALLY HAZARDOUS<br>CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine) |
| · 14.3 Transport hazard class(es)<br>· ADR<br><br>                                      | 8 Corrosive substances.<br>8  |
| · IMDG, IATA<br><br>   | 8 Corrosive substances.<br>8  |
| · 14.4 Packing group<br>· ADR, IMDG, IATA   | III   |
| · 14.5 Environmental hazards:<br><br>· Special marking (ADR):   | Product contains environmentally hazardous substances: N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine<br>Symbol (fish and tree)   |
| · 14.6 Special precautions for user<br>· Hazard identification number (Kemler code):<br>· EMS Number:<br>· Segregation groups<br>· Stowage Category<br>· Segregation Code | Warning: Corrosive substances.<br>80<br>F-A,S-B<br>Alkalis<br>A<br>SG35 Stow "separated from" SGG1-acids  |
| · 14.7 Maritime transport in bulk according to IMO instruments  | Not applicable.   |
| · Transport/Additional information:<br><br>· ADR<br>· Limited quantities (LQ)<br>· Excepted quantities (EQ)   | 5L<br>Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml  |

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|                                   |   |
|-----------------------------------|---|
| · <b>Transport category</b>       | 3   |
| · <b>Tunnel restriction code</b>  | E   |
| -----                             |   |
| · <b>IMDG</b>                     |   |
| · <b>Limited quantities (LQ)</b>  | 5L  |
| · <b>Excepted quantities (EQ)</b> | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml                                      |
| · <b>UN "Model Regulation":</b>   | UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE), 8, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS |

**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.
- **Seveso category E1** Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

- **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.

- **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.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
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.  
H412 Harmful to aquatic life with long lasting effects.
- **Department issuing SDS:** Department for product development
- **Contact:** Dr. Reindl
- **Version number of previous version:** 11
- **Abbreviations and acronyms:**  
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

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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  
Met. Corr. 1: Corrosive to metals – Category 1  
Acute Tox. 3: Acute toxicity - oral – Category 3  
Acute Tox. 4: Acute toxicity - oral – Category 4  
Skin Corr. 1A: Skin corrosion/irritation – Category 1A  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
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  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

GB