

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.05.2017

Version number 7

Revision: 31.05.2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- **Identification of the substance/preparation:** *Dr. Schutz Turbo Strip*

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

- SU21 Consumer uses: Private households / general public / consumers

Sector of Use

- 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:**

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

1.4 Emergency telephone number:

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SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

- **Classification according to Regulation (EC) No 1272/2008**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008**

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

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

- **Precautionary statements**

P280

Wear protective gloves/protective clothing/eye protection/face protection.

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- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P362+P364 Take off contaminated clothing and wash it before reuse.

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

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

• **Dangerous components:**

CAS: 122-99-6 EINECS: 204-589-7 Index number: 603-098-00-9 Reg.nr.: 01-2119488943-21	2-Phenoxyethanol ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319	10-25%
CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol ⚠ Eye Irrit. 2, H319	10-25%
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37	sodium p-cumenesulphonate ⚠ Eye Irrit. 2, H319	1-5%
CAS: 164524-02-1 EC number: 629-764-9 Reg.nr.: 01-2119489427-24	potassium 4-isopropylbenzenesulphonate ⚠ Eye Irrit. 2, H319	1-5%
CAS: 78-96-6 EINECS: 201-162-7 Index number: 603-082-00-1 Reg.nr.: 01-2119475331-43	1-aminopropan-2-ol ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H312	1-<5%

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

non-ionic 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.
Personal protection for the First Aider.
- **After inhalation:** Supply fresh air.
- **After skin contact:** 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.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.

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- **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:** No special measures required.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid contact with the eyes and skin.
- **6.2 Environmental precautions:** 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).
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.
Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with the eyes and skin.
Wear protective equipment. Keep unprotected persons away.
- **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:** Do not store together with acids.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store receptacle in a well ventilated area.
Store under lock and key and out of the reach of children.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

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

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· **8.1 Control parameters**· **Exposure limit values:****112-34-5 2-(2-butoxyethoxy)ethanol**

WEL	Short-term value: 101.2 mg/m ³ , 15 ppm Long-term value: 67.5 mg/m ³ , 10 ppm
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- **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**· **Occupational exposure controls:**· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Do not eat, drink, smoke or sniff while working.
- Be sure to clean skin thoroughly after work and before breaks.
- Use skin protection cream for skin protection.
- Avoid contact with the eyes and skin.
- Immediately remove all soiled and contaminated clothing

· **Respiratory protection:** Not required.· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. 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 protection:**

Tightly sealed goggles

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**SECTION 9: Physical and chemical properties**· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form: Fluid
Colour: Yellowish

· **Odour:** Aromatic· **Odour threshold:** Not determined.· **pH-value at 20 °C:** 10

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· Change in condition Melting point/freezing point: Initial boiling point and boiling range:	Undetermined. Undetermined.
· Flash point:	> 80 °C (Seta Flash Closed Cup)
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	225 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits: Lower: Upper:	0.9 Vol % 5.9 Vol %
· Vapour pressure at 20 °C:	23 hPa
· Density at 20 °C: · Relative density · Vapour density · Evaporation rate	1.045 g/cm ³ Not determined. Not determined. Not determined.
· Solubility in / Miscibility with water:	Fully miscible.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity: Dynamic: Kinematic at 20 °C:	Not determined. 29 s (ISO 3 mm)
· 9.2 Other information	No further relevant information available.

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 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 further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:****122-99-6 2-Phenoxyethanol**

Oral	LD50	1260 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

112-34-5 2-(2-butoxyethoxy)ethanol

Oral	LD50	3305 mg/kg (rat)
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Dermal	LD50	2764 mg/kg (rabbit)
15763-76-5 sodium p-cumenesulphonate		
Oral	LD50	>2000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4h	>5 mg/l (rat)
164524-02-1 potassium 4-isopropylbenzenesulphonate		
Oral	LD50	>2000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4h	>5 mg/l (rat)
78-96-6 1-aminopropan-2-ol		
Oral	LD50	2813 mg/kg (rat)
Dermal	LD50	1851 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

SECTION 12: Ecological information

· 12.1 Toxicity

· **Aquatic toxicity:****122-99-6 2-Phenoxyethanol**

EC50/48h >500 mg/l (Daphnia magna)

112-34-5 2-(2-butoxyethoxy)ethanol

EC50/48h (static) >100 mg/l (Daphnia magna)

LC50/96h (static) >100 mg/l (algae)

1300 mg/l (fish)

15763-76-5 sodium p-cumenesulphonate

EC50/48h (static) >100 mg/l (Daphnia magna)

LC50/96h (static) >100 mg/l (Oncorhynchus mykiss (Rainbow trout))

EC50/96h (static) >100 mg/l (green alga)

164524-02-1 potassium 4-isopropylbenzenesulphonate

EC50/48h (static) >100 mg/l (Daphnia magna)

LC50/96h (static) >100 mg/l (Oncorhynchus mykiss (Rainbow trout))

EC50/96h (static) >100 mg/l (green alga)

78-96-6 1-aminopropan-2-ol

EC50/48h 109 mg/l (Daphnia magna)

- **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.

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- **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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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.

· **European waste catalogue**

20 01 29*	detergents containing dangerous substances
07 06 01*	aqueous washing liquids and mother liquors

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· 14.1 UN-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 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 55
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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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

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H319 Causes serious eye irritation.

· Department issuing SDS: Department for product development**· Contact:** Dr. Olaf Janßen**· 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
- 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
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

· * Data compared to the previous version altered.