

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2023

Reviewed on 10/29/2020

1 Identification

- **Product identifier**
- **Trade name:** *Dr. Schutz Turbo Strip*
- **Application of the substance / the mixture** Basic cleaner
- **Details of the supplier of the safety data sheet**

Manufacturer/Supplier EU:

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

Manufacturer/Supplier USA:

Schutz NA LLC
219 Monroe St
Stowe PA 19134 USA
Tel.: +1 (877) 272-4889
E-Mail: sam@dr-schutz.us
Web: www.dr-schutz.us

- **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**



GHS07

Eye Irrit. 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**

Causes serious eye irritation.

- **Precautionary statements**

Wash thoroughly after handling.

Wear eye protection / face protection.

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

If eye irritation persists: Get medical advice/attention.

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· Information pertaining to particular dangers for man and environment:

· NFPA ratings (scale 0 - 4)



Health = 2

Fire = 1

Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 2

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:

112-34-5	2-(2-butoxyethoxy)ethanol	25-50%
15763-76-5	sodium p-cumenesulphonate	10%
100-51-6	benzyl alcohol	5-10%
102-71-6	Triethanolamine	1-5%

4 First-aid measures

· Description of first aid measures

· General information:

Personal protection for the First Aider.

Immediately remove any clothing soiled by the product.

· After inhalation: Supply fresh air.

· After skin contact: Generally the product does not irritate the skin.

· 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:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· 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: No special measures required.

· Additional information

Cool endangered receptacles with water spray.

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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.

· Environmental precautions:

Dilute with plenty of water.

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).

Ensure adequate ventilation.

· 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:

112-34-5	2-(2-butoxyethoxy)ethanol	30 ppm
100-51-6	benzyl alcohol	30 ppm
102-71-6	Triethanolamine	15 mg/m ³
5989-27-5	d-limonene	15 ppm

· PAC-2:

112-34-5	2-(2-butoxyethoxy)ethanol	33 ppm
100-51-6	benzyl alcohol	52 ppm
102-71-6	Triethanolamine	240 mg/m ³
5989-27-5	d-limonene	67 ppm

· PAC-3:

112-34-5	2-(2-butoxyethoxy)ethanol	200 ppm
100-51-6	benzyl alcohol	740 ppm
102-71-6	Triethanolamine	1,500 mg/m ³
5989-27-5	d-limonene	170 ppm

7 Handling and storage

· Handling:

· 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.

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 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 under lock and key and out of the reach of children.

Keep receptacle tightly sealed.

Store receptacle in a well ventilated area.

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- **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.

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

TLV	Long-term value: 67.5* mg/m ³ , 10* ppm *Inhalable fraction and vapor
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100-51-6 benzyl alcohol

WEEL	Long-term value: 10 ppm
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102-71-6 Triethanolamine

TLV	Long-term value: 5 mg/m ³
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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
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.
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.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
Not necessary if room is well-ventilated.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



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. 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.

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· **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.



Tightly sealed goggles

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

9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form:	Fluid
Color:	Yellowish
Odor:	Fruit-like
Odor threshold:	Not determined.

· pH-value at 20°C (68°F): 10

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

· **Flash point:** >95°C (>203°F) (Seta Flash Closed Cup)· **Flammability (solid, gaseous):** Not applicable.· **Ignition temperature:** 225°C (437°F)· **Decomposition temperature:** Not determined.· **Auto igniting:** Product is not selfigniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Explosion limits:**

Lower:	0.9 Vol %
Upper:	5.9 Vol %

· **Vapor pressure at 20°C (68°F):** 23 hPa (17.3 mm Hg)· **Density at 20°C (68°F):** 1.055 g/cm³ (8.804 lbs/gal)· **Relative density** Not determined.· **Vapor density** Not determined.· **Evaporation rate** Not determined.· **Solubility in / Miscibility with**

Water:	Fully miscible.
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· **Partition coefficient (n-octanol/water):** Not determined.· **Viscosity:**

Dynamic:	Not determined.
Kinematic at 20°C (68°F):	107 s (ISO 3 mm)

· **Solvent content:**

Organic solvents:	36.0 %
VOC content ASTM D3960:	36.02 %
	380.0 g/l / 3.17 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 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.

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

· LD/LC50 values that are relevant for classification:

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

Oral	LD50	3,305 mg/kg (rat)
Dermal	LD50	2,764 mg/kg (rabbit)

15763-76-5 sodium p-cumenesulphonate

Oral	LD50	>2,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4h	>5 mg/l (rat)

100-51-6 benzyl alcohol

Oral	LD50	1,230-1,620 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4h	>4,178 mg/l (rat) (OECD 403)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

102-71-6	Triethanolamine	3
5989-27-5	d-limonene	3

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

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12 Ecological information

· Toxicity

· Aquatic toxicity:

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

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

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

1,300 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)

100-51-6 benzyl alcohol

EC50/48h 230 mg/l (Daphnia magna) (OECD 202)

· **Persistence and degradability** No further relevant information available.· **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 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:** Disposal must be made according to official regulations.· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

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

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|--|-----------------|
| · 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**
No further relevant information available.
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

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

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

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

7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
112-34-5	2-(2-butoxyethoxy)ethanol	ACTIVE
100-51-6	benzyl alcohol	ACTIVE
102-71-6	Triethanolamine	ACTIVE
129050-62-0	trisodium N,N-bis(carboxymethyl)-β-alanine	ACTIVE
68154-97-2	fatty alcohol, C10-12, ethoxylated, propoxylated	ACTIVE
5989-27-5	d-limonene	ACTIVE
78-70-6	Linalool	ACTIVE
106-24-1	Geraniol	ACTIVE
106-22-9	dl-Citronellol	ACTIVE
5392-40-5	citral	ACTIVE
470-82-6	eucalyptol	ACTIVE
2705-87-5	Allyl cyclohexanepropionate	ACTIVE
7785-26-4	ALPHA-PINENE	ACTIVE
24720-09-0	(E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one	ACTIVE

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **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.

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· **Carcinogenicity categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **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**

Causes serious eye irritation.

· **Precautionary statements**

Wash thoroughly after handling.

Wear eye protection / face protection.

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

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** 06/15/2021 / 4· **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

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 Irrit. 2A: Serious eye damage/eye irritation – Category 2A