

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/31/2023

Reviewed on 07/30/2021

1 Identification

- **Product identifier**
- **Trade name:** *Dr. Schutz Super Basic Cleaner*
- **Application of the substance / the mixture** Basic 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:**
GBK Gefahrgut Büro GmbH
telephone: +49 (0)6132 84463
(24-Hour-Number)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS05 Corrosion

Skin Corrosion 1A H314 Causes severe skin burns and eye damage.

Eye Damage 1 H318 Causes serious eye damage.

Flammable Liquids 4 H227 Combustible liquid.

- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms**



GHS05

- **Signal word** Danger

- **Hazard-determining components of labeling:**

potassium hydroxide

- **Hazard statements**

Combustible liquid.

Causes severe skin burns and eye damage.

- **Precautionary statements**

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

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Trade name: *Dr. Schutz Super Basic Cleaner*

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If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Get immediate medical advice/attention.
 Store in a well-ventilated place. Keep container tightly closed.
 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 = 3
 Fire = 2
 Reactivity = 0

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



HEALTH 3 Health = 3
 FIRE 2 Fire = 2
 REACTIVITY 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)** 5M00-Q0KT-P00G-F95K
- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

112-34-5	2-(2-butoxyethoxy)ethanol	10-25%
5131-66-8	3-butoxypropan-2-ol	1-5%
107-98-2	1-methoxy-2-propanol	1-5%
1310-58-3	potassium hydroxide	≥1-<2%
68154-97-2	fatty alcohol, C10-12, ethoxylated, propoxylated	1-5%
15763-76-5	sodium p-cumenesulphonate	0.1-1%

4 First-aid measures

- **Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

- **After inhalation:**

Supply fresh air.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

After each cleaning use treatment creams, for very dry skin greasy ointments.

Immediately wash with water and soap and rinse thoroughly.

- **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.

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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.
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**
Particular danger of slipping on leaked/spilled product.
Avoid contact with the eyes and skin.
Ensure adequate ventilation
- **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
107-98-2	1-methoxy-2-propanol	100 ppm
1310-58-3	potassium hydroxide	0.18 mg/m ³
5989-27-5	d-limonene	15 ppm

· **PAC-2:**

112-34-5	2-(2-butoxyethoxy)ethanol	33 ppm
107-98-2	1-methoxy-2-propanol	160 ppm
1310-58-3	potassium hydroxide	2 mg/m ³
5989-27-5	d-limonene	67 ppm

· **PAC-3:**

112-34-5	2-(2-butoxyethoxy)ethanol	200 ppm
107-98-2	1-methoxy-2-propanol	660 ppm
1310-58-3	potassium hydroxide	54 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.
Wear protective equipment. Keep unprotected persons away.

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- Avoid contact with the eyes and skin.
- 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:**
 - Keep receptacle tightly sealed.
 - 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 section 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 other constituents have no known exposure limits.

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

TLV	Long-term value: 10* ppm *Inhalable fraction and vapor
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107-98-2 1-methoxy-2-propanol

REL	Short-term value: 540 mg/m ³ , 150 ppm Long-term value: 360 mg/m ³ , 100 ppm
TLV	Short-term value: 100 ppm Long-term value: 50 ppm A4

1310-58-3 potassium hydroxide

REL	Ceiling limit value: 2 mg/m ³
TLV	Ceiling limit value: 2 mg/m ³

- **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.
 - 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.
- **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.

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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.



Tightly sealed goggles

- **Body protection:**

Apron

Light weight protective clothing

9 Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form: Fluid

Color: Yellowish

- **Odor:** Ether-like

- **Odor threshold:** Not determined.

- **pH-value at 20°C (68°F):** 14

- **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

- **Flash point:** 70°C (158°F) (Seta Flash Closed Cup)

- **Flammability (solid, gaseous):** Not applicable.

- **Auto igniting:** 225°C (437°F)

- **Decomposition temperature:** Not determined.

- **Ignition temperature:** Product is not selfigniting.

- **Danger of explosion:** Not determined.

- **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):** 1.025 g/cm³ (8.554 lbs/gal)

- **Relative density** Not determined.

- **Vapor density** Not determined.

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· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic at 20°C (68°F):	25 s (ISO 3 mm)
· Solvent content:	
Organic solvents:	21.1 %
VOC content ASTM D3960:	21.06 % 215.9 g/l / 1.80 lb/gal
· 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** Strong exothermic reaction with acids.
- **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)

5131-66-8 3-butoxypropan-2-ol

Oral	LD50	2,100-5,500 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

107-98-2 1-methoxy-2-propanol

Oral	LD50	5,200 mg/kg (rat)
Dermal	LD50	14,000 mg/kg (rabbit)
Inhalative	LC50/4h	54.6 mg/l (rat)

1310-58-3 potassium hydroxide

Oral	LD50	273 mg/kg (rat) (OECD 425)
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68154-97-2 fatty alcohol, C10-12, ethoxylated, propoxylated

Oral	LD50	>2,000 mg/kg (rat)
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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)

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- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **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)**

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.

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)

5131-66-8 3-butoxypropan-2-ol

EC50/48h >1,000 mg/l (Daphnia magna)

107-98-2 1-methoxy-2-propanol

EC50/48h 23,300 mg/l (Daphnia magna)

1310-58-3 potassium hydroxide

EC50/48h 40 mg/l (Daphnia magna)

LC50/96h 45.4 mg/l (Oncorhynchus mykiss (Rainbow trout))

68154-97-2 fatty alcohol, C10-12, ethoxylated, propoxylated

EC50/48h 1-10 mg/l (Daphnia magna)

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)

- **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.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

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- **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, IMDG, IATA	UN1814
· UN proper shipping name	
· DOT	Potassium hydroxide, solution
· ADR	1814 POTASSIUM HYDROXIDE SOLUTION
· IMDG, IATA	POTASSIUM HYDROXIDE SOLUTION
· Transport hazard class(es)	
· DOT	
	
· Class	8 Corrosive substances
· Label	8

· ADR, IMDG, IATA	
	
· Class	8 Corrosive substances
· Label	8
· Packing group	
· DOT, ADR, IMDG, IATA	III
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Corrosive substances
· Hazard identification number (Kemler code):	80
· EMS Number:	F-A,S-B
· Segregation groups	(SGG18) Alkalis
· Stowage Category	A
· Segregation Code	SG35 Stow "separated from" SGG1-acids
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

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· **Transport/Additional information:**· **ADR**· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **IMDG**· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":**

UN 1814 POTASSIUM HYDROXIDE SOLUTION, 8, III

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
5131-66-8	3-butoxypropan-2-ol	ACTIVE
107-98-2	1-methoxy-2-propanol	ACTIVE
1310-58-3	potassium hydroxide	ACTIVE
68154-97-2	fatty alcohol, C10-12, ethoxylated, propoxylated	ACTIVE
164462-16-2	Alanine, N,N-bis(carboxymethyl)-, sodium salt	ACTIVE
69011-36-5	Isotridecanol, ethoxylated (<7 - > 15 EO)	ACTIVE
5989-27-5	d-limonene	ACTIVE
5392-40-5	citral	ACTIVE
80-56-8	alpha-Pinene	ACTIVE
470-82-6	eucalyptol	ACTIVE
586-62-9	terpinolene	ACTIVE
78-70-6	Linalool	ACTIVE
110-41-8	2-methylundecanal	ACTIVE
106-24-1	geraniol	ACTIVE
106-23-0	citronellal	ACTIVE
106-22-9	dl-Citronellol	ACTIVE

· **Hazardous Air Pollutants**

None of the ingredients is listed.

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

None of the ingredients is listed.

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· **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.

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

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

80-56-8 | alpha-Pinene

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**

GHS05

· **Signal word** Danger· **Hazard-determining components of labeling:**

potassium hydroxide

· **Hazard statements**

Combustible liquid.

Causes severe skin burns and eye damage.

· **Precautionary statements**

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

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

Get immediate medical advice/attention.

Store in a well-ventilated place. Keep container tightly closed.

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

· **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.

· **Recommended restriction of use** For professional users only.· **Department issuing SDS:** Department for product development· **Contact:**· **Date of preparation / last revision** 07/31/2023· **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

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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
Flammable Liquids 4: Flammable liquids – Category 4
Skin Corrosion 1A: Skin corrosion/irritation – Category 1A
Eye Damage 1: Serious eye damage/eye irritation – Category 1

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