

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.07.2023

Version number 20 (replaces version 19)

Revision: 30.07.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**· **Identification of the substance/preparation:** *Dr. Schutz Super Basic Cleaner*· **UFI:** 5M00-Q0KT-P00G-F95K**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** Basic cleaner**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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· **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

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

Eye Dam. 1 H318 Causes serious eye damage.

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

GHS05

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.07.2023

Version number 20 (replaces version 19)

Revision: 30.07.2021

Identification of the substance/preparation: *Dr. Schutz Super Basic Cleaner*

(Contd. of page 1)

- **Signal word** Danger
- **Hazard-determining components of labelling:**
potassium hydroxide
- **Hazard statements**
H314 Causes severe skin burns and eye damage.
- **Precautionary statements**
 - P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - 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).
 - P405 Store locked up.
 - 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: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol ☠ Eye Irrit. 2, H319	10-25%
CAS: 5131-66-8 EINECS: 225-878-4 Reg.nr.: 01-2119475527-28	3-butoxypropan-2-ol ☠ Flam. Liq. 3, H226; ☠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-5%
CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35	1-methoxy-2-propanol ☠ Flam. Liq. 3, H226; ☠ STOT SE 3, H336	1-5%
CAS: 1310-58-3 EINECS: 215-181-3 Reg.nr.: 01-2119487136-33	potassium hydroxide ☠ Skin Corr. 1A, H314; ☠ Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 % Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %	≥1-<2%
CAS: 68154-97-2	fatty alcohol, C10-12, ethoxylated, propoxylated ☠ Eye Irrit. 2, H319	1-5%
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37	sodium p-cumenesulphonate ☠ Eye Irrit. 2, H319	0.1-1%

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 20 (replaces version 19)

Revision: 30.07.2021

Identification of the substance/preparation: *Dr. Schutz Super Basic Cleaner*

(Contd. of page 2)

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

non-ionic surfactants, anionic surfactants

<5%

perfumes (LIMONENE, CITRAL)

· 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.**· 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.**· 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:**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**

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**

Particular danger of slipping on leaked/spilled product.

Avoid contact with the eyes and skin.

Ensure adequate ventilation

· 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).

Ensure adequate ventilation.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.07.2023

Version number 20 (replaces version 19)

Revision: 30.07.2021

Identification of the substance/preparation: *Dr. Schutz Super Basic Cleaner*

(Contd. of page 3)

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.
- Wear protective equipment. Keep unprotected persons away.
- Avoid contact with the eyes and skin.
- 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:****112-34-5 2-(2-butoxyethoxy)ethanol**

OEL	Short-term value: 101.2 mg/m ³ , 15 ppm
	Long-term value: 67.5 mg/m ³ , 10 ppm
IOELV	

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

OEL	Short-term value: 568 mg/m ³ , 150 ppm
	Long-term value: 375 mg/m ³ , 100 ppm
IOELV	

1310-58-3 potassium hydroxide

OEL	Short-term value: 2 mg/m ³
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- DNELs** No further relevant information available.
- PNELs** 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 section 7.
- Individual protection measures, such as 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.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.07.2023

Version number 20 (replaces version 19)

Revision: 30.07.2021

Identification of the substance/preparation: *Dr. Schutz Super Basic Cleaner*

(Contd. of page 4)

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:

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 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.

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/face 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

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

Fluid

· Colour:

Yellowish

· Odour:

Ether-like

· Odour threshold:

Not determined.

· Melting point/freezing point:

Undetermined.

· Boiling point or initial boiling point and boiling range

Undetermined.

· Flammability

Not applicable.

· Lower and upper explosion limit**· Lower:**

0.9 Vol %

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.07.2023

Version number 20 (replaces version 19)

Revision: 30.07.2021

Identification of the substance/preparation: *Dr. Schutz Super Basic Cleaner*

(Contd. of page 5)

· Upper:	5.9 Vol %
· Flash point:	70°C (Seta Flash Closed Cup)
· Auto-ignition temperature:	225°C
· Decomposition temperature:	Not determined.
· pH at 20°C	14
· Viscosity:	
· Kinematic viscosity at 20°C	25 s (ISO 3 mm)
· Dynamic:	Not determined.
· 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:	1.025 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

9.2 Other information

· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	21.1 %
· VOC (EC)	21.1 %
· Change in condition	
· Evaporation rate	Not determined.

Information with regard to physical hazard classes

· Explosives	Not applicable
· Flammable gases	Not applicable
· Aerosols	Not applicable
· Oxidising gases	Not applicable
· Gases under pressure	Not applicable
· Flammable liquids	Not applicable
· Flammable solids	Not applicable
· Self-reactive substances and mixtures	Not applicable
· Pyrophoric liquids	Not applicable
· Pyrophoric solids	Not applicable
· Self-heating substances and mixtures	Not applicable
· Substances and mixtures, which emit flammable gases in contact with water	Not applicable
· Oxidising liquids	Not applicable
· Oxidising solids	Not applicable
· Organic peroxides	Not applicable
· Corrosive to metals	Not applicable

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.07.2023

Version number 20 (replaces version 19)

Revision: 30.07.2021

Identification of the substance/preparation: *Dr. Schutz Super Basic Cleaner*

(Contd. of page 6)

· Desensitised explosives	Not applicable
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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** Strong exothermic reaction with acids.
- **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 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:****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)

- **Skin corrosion/irritation** Causes severe skin burns and eye damage.
- **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.

(Contd. on page 8)

Safety data sheet

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Identification of the substance/preparation: *Dr. Schutz Super Basic Cleaner*

(Contd. of page 7)

· **11.2 Information on other hazards**· **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****112-34-5 2-(2-butoxyethoxy)ethanol**

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

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

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)

· **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:**

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.

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.

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.07.2023

Version number 20 (replaces version 19)

Revision: 30.07.2021

Identification of the substance/preparation: *Dr. Schutz Super Basic Cleaner*

(Contd. of page 8)


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 hazardous 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**

<ul style="list-style-type: none"> · 14.1 UN number or ID number · ADR, IMDG, IATA 	UN1814
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG, IATA 	1814 POTASSIUM HYDROXIDE SOLUTION POTASSIUM HYDROXIDE SOLUTION
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, IMDG, IATA 	
 <ul style="list-style-type: none"> · Class · Label 	8 Corrosive substances. 8
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	III
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: 	No
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Segregation groups · Stowage Category · Segregation Code 	Warning: Corrosive substances. 80 F-A,S-B (SGG18) Alkalis A SG35 Stow "separated from" SGG1-acids
<ul style="list-style-type: none"> · 14.7 Maritime transport in bulk according to IMO instruments 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: · ADR · Limited quantities (LQ) 	5L

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 20 (replaces version 19)

Revision: 30.07.2021

Identification of the substance/preparation: *Dr. Schutz Super Basic Cleaner*

(Contd. of page 9)

· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	E
· 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

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.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 55

· **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.

· **REGULATION (EU) 2019/1148**· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

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**

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.

(Contd. on page 11)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 20 (replaces version 19)

Revision: 30.07.2021

Identification of the substance/preparation: *Dr. Schutz Super Basic Cleaner*

(Contd. of page 10)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

· **Recommended restriction of use** For professional users only.· **Department issuing SDS:** Department for product development· **Version number of previous version:** 19· **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

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)

VOC: Volatile Organic Compounds (USA, EU)

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

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – 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

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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3