

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 21.02.2022

Version number 109

Revision: 09.02.2022

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

- 1.1 Product identifier

- **Trade name Schulthess deepClean**

- **UFI:** KD10-80TV-700R-EE81

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

No further relevant information available.

- Application of the substance / the mixture

Cleaner

Restrictions on use apply to this product according to Regulation (EU) no. 1907/2006 Annex XVII (see section 15)

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Schulthess Maschinen AG

Alte Steinhauserstrasse 1

CH-6330 Cham ZG

Tel : +41 52 253 51 11

E-Mail: info@schulthess.ch

www.schulthess.ch

- **Informing department:** Product safety department

- 1.4 Emergency telephone number:

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

Tel. (+49) 61 31 / 19 240.

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

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

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

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H312 Harmful in contact with skin.

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

Eye Dam. 1 H318 Causes serious eye damage.

STOT SE 3 H335 May cause respiratory 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



GHS05 GHS07

- **Signal word** Danger

- Hazard-determining components of labelling:

methanesulphonic acid

alcohols C10, ethoxylated

- Hazard statements

H290 May be corrosive to metals.

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H302+H312 Harmful if swallowed or in contact with skin.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

- Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face 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.

- 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 the substances listed below with harmless additions**- Dangerous components:**

CAS: 75-75-2 EINECS: 200-898-6 Index number: 607-145-00-4 Reg.nr.: 01-2119491166-34	methanesulphonic acid Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; STOT SE 3, H335	50-100%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	≤2.5%
CAS: 78330-20-8 Polymer	alcohols C10, ethoxylated Eye Dam. 1, H318; Acute Tox. 4, H302	≤1%
CAS: 111905-52-3 Polymer	Alcohols , C9-11, butoxylated, ethoxylated Skin Irrit. 2, H315	≤1%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.**- Composition/Ingredients**

Constituents according to EC-Regulation 648/2004:

< 5 % non-ionic surfactants,

SECTION 4: First aid measures

- 4.1 Description of first aid measures- **General advice:** Instantly remove any clothing soiled by the product.- **After inhalation** Supply fresh air; consult doctor in case of symptoms.**- After skin contact**

Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.

- After eye contact

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

- After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; instantly call for medical help.

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- **4.2 Most important symptoms and effects, both acute and delayed**
Burning effect and pain to eyes, skin and mucous membranes. After swallowing serious irritation to oral cavity and throat as well as danger of perforation of the gullet.
- **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** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture**
Reacts with base metals forming readily flammable hydrogen.
- **5.3 Advice for firefighters**
- **Protective equipment:**
See section 8.
Wear full protective suit with self-contained breathing apparatus.
- **Additional information**
Endangered containers in the surrounding area should be cooled with a water-hose.
Collect contaminated fire fighting water separately. It must not enter drains.

* SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep off unprotected persons
- **6.2 Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
If large amounts are released, the authorities must be informed.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Ensure adequate ventilation.
Contaminated material has to be disposed as waste (see item 13).
- **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 information on disposal.

* SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Avoid contact with eyes and skin.
- **Information about protection against explosions and fires:**
Pay attention to general rules of internal fire prevention.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage** Store in cool, dry conditions in well sealed containers.
- **Requirements to be met by storerooms and containers:**
Observe official regulations on storage and handling of water hazardous substances
Do not store together with strong alkali. Unsuitable materials: many metallics and metallic alloys
- **Information about storage in one common storage facility:**
Do not store together with alkalis (caustic solutions).
- **Further information about storage conditions:**
Keep container tightly sealed.

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Protect from frost.

- **Storage class** 8 B L (VCI - Konzept, 2007)- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

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

- Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- DNELs

75-75-2 methanesulphonic acid

Dermal	DNEL (population)	8.33 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	19.44 mg/m ³ (Long-term, systemic effects)
		2.89 mg/m ³ (Long-term - local effects)
	DNEL (population)	1.44 mg/m ³ (Acute, systemic effects)
		1.44 mg/m ³ (Long-term, systemic effects)

67-63-0 propan-2-ol

Oral	DNEL (population)	26 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	888 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	319 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	500 mg/m ³ (Long-term, systemic effects)
	DNEL (population)	89 mg/m ³ (Long-term, systemic effects)

- PNECs

75-75-2 methanesulphonic acid

PNEC water	0.012 mg/l (freshwater)
	0.0012 mg/l (Seawater)
	0.12 mg/l (intermittent releases)
PNEC sediment	0.0251 mg/kg (freshwater)
PNEC STP	100 mg/l (380)
PNEC soil	0.00183 mg/kg (soil)

67-63-0 propan-2-ol

PNEC water	140.9 mg/l (freshwater)
	140.9 mg/l (marine water)
PNEC	2,251 mg/l (sewage plant)
PNEC sediment	552 mg/kg dw (freshwater)
	552 mg/kg dw (marine water)
PNEC	140.9 (intermittent releases)
PNEC soil	28 mg/kg (soil)

- **Additional information:** The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls

- Personal protective equipment

- General protective and hygienic measures

Keep away from food, beverages and fodder.

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Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

- Breathing equipment:

Use breathing protection in case of insufficient ventilation.

In case of dizzying-dust breathing protection is required filter A/P2.

- Protection of hands:

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

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

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 safety glasses.

- Body protection: Standard protective working clothes

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Appearance:

Form: Fluid

Colour: Blue

- Smell: Odourless

- Odour threshold: Not determined.

- pH-value (10 g/l) at 20 °C: 2

- Melting point/freezing point: Not determined

- Initial boiling point and boiling range: > 100 °C

- Flash point: Product is non-flammable nor potentially explosive

- Inflammability (solid, gaseous) Not applicable.

- Decomposition temperature: Not determined.

- Self-inflammability: Product is not selfigniting.

- Explosive properties: Product is not potentially explosive

- Critical values for explosion:

Lower: Not determined.

Upper: Not determined.

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- Vapour pressure:	Not determined.
- Density at 20 °C	~ 1.24 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.
- Evaporation rate	Not determined.
- Solubility in / Miscibility with Water:	Fully miscible
- Partition coefficient: n-octanol/water:	Not determined.
- Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
- 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
With (concentrated) leach: fierce neutralising reaction among heat release (danger of extruding); by dilution with water also strong warming; with many metals intense corrosion under formation of hydrogen gas (Danger of fire and explosion).
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Bases, base metal
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

* SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
Harmful if swallowed or in contact with skin.

- **LD/LC50 values that are relevant for classification:**

75-75-2 methanesulphonic acid

Oral	LD50	>300-2,000 mg/kg (rat)
Dermal	LD50	>1,000-2,000 mg/kg (rabbit)

67-63-0 propan-2-ol

Oral	LD50	5,840 mg/kg (rat) (OECD 401) 4,570 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit) 13,400 mg/kg (rab)
Inhalative	LC 50 / 4 h	30 mg/l (rat)

78330-20-8 alcohols C10, ethoxylated

Oral	LD50	>300-2,000 mg/kg (rat)
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- **Primary irritant effect:**
- **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.
- **Subacute to chronic toxicity:**

- STOT-repeated exposure:
67-63-0 propan-2-ol
Oral NOAEL 900 mg/kg (rat) ((90d) OECD 408)
- Additional toxicological information:
- 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 May cause respiratory irritation.
- 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:
75-75-2 methanesulphonic acid
LC 50 / 96 h 10-100 mg/l (Oncorhynchus mykiss)
EC 50 / 48 h 10-100 mg/l (Daphnia magna)
10-100 mg/l (Aquatic invertebrates)
67-63-0 propan-2-ol
LC 50 / 96 h >10,000 mg/l (Pimephales promelas) (OECD 203 (Acute toxicity - fish))
LC 50 / 48 h >100 mg/l (Leuciscus idus)
EC 50 / 48 h >100 mg/l (Daphnia magna)
EC 50 / 16 h 1,050 mg/l (Pseudomonas putida) (DIN 38412 T.8)
EC 50 / 72 h >100 mg/l (Scenedesmus subspicatus)
- 12.2 Persistence and degradability
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
- Behaviour in environmental systems:
Do not allow to enter waterbodies unpurified. Product is eliminable from sewage water by chemical flocculation.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

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- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

- Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. A used product should be recycled or used in other contexts, otherwise be handed over to an appropriate disposal site.

- Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

- **Uncleaned packagings:** Disposal must be made according to official regulations.

- Recommendation:

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

SECTION 14: Transport information

- 14.1 UN-Number

- ADR/RID, IMDG, IATA UN3264

- 14.2 UN proper shipping name

- ADR/RID 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (methanesulfonic acid, solution)
- IMDG, IATA CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (methanesulfonic acid, solution)

- 14.3 Transport hazard class(es)

- ADR/RID

- Class 8 (C1) Corrosive substances.

- Label

8

- IMDG, IATA

- Class 8 Corrosive substances.

- Label

8

- 14.4 Packing group

- ADR/RID, IMDG, IATA III

- 14.5 Environmental hazards:

- Marine pollutant: No

- 14.6 Special precautions for user

Warning: Corrosive substances.

- Kemler Number:

80

- EMS Number:

F-A,S-B

- Segregation groups

Acids

- Stowage Category

A

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- Stowage Code	SW2 Clear of living quarters.
- Segregation Code	SG36 Stow "separated from" SGG18-alkalis. SG49 Stow "separated from" SGG6-cyanides
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
- Transport/Additional information:	
- ADR/RID	
- 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
- IMDG	
- Limited quantities (LQ)	5L
- Excepted quantities (EQ)	Código E4 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- UN "Model Regulation":	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (METHANESULFONIC ACID, SOLUTION), 8, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

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

- **Hazard pictograms**



GHS05 GHS07

- **Signal word** Danger

- **Hazard-determining components of labelling:**

methanesulphonic acid

alcohols C10, ethoxylated

- **Hazard statements**

H290 May be corrosive to metals.

H302+H312 Harmful if swallowed or in contact with skin.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

- **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face 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.

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- **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

- **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**

- **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.

- **National regulations**

- **Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

- **Other regulations, limitations and prohibitive regulations**

- **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **UFI market placements:**

- **Relevant phrases**

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

- **Department issuing data specification sheet:** see item 1: Informing department

- **Abbreviations and acronyms:**

LEV: Local Exhaust Ventilation

NOAEL: No Observed Adverse Effect Level

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

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 Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

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)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

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Skin Corr. 1B: Skin corrosion/irritation – Category 1B

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

- * Data compared to the previous version altered.

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