# Safety data sheet

**according to Regulation (EC) No 1907/2006, Article 31, Annex II according to Regulation (EU) No 2020/878**

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

**1.1 Product identifier**

**Trade name:** STOP
**Other names:** Stop Solution
**UFI:** Not apply.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**
No use descriptors (LCS, SU, PC, PROC, ERC, AC, TF categories) of the substance or mixture are available.

**Application of the substance / the mixture:** Preparation for in vitro diagnostic use.
**Uses advised against:** Any other than the above mentioned.

**1.3 Details of the supplier of the safety data sheet**
**Supplier:**
TestLine Clinical Diagnostics s.r.o.
Production of diagnostic sets for human, veterinary, inorganic and organic laboratories.
Business Address: Křižíkova 68, 612 00 Brno, Czech Republic
Company Identification Number: 479 13 240
Phone/Fax: +420 541 243 390
E-mail: pospisiljar@testlinecd.com / Website: www.testlinecd.com

**Further information obtainable from:**
Ing. Karel Královec, Studio2K
Phone: +420 777 145 808, E-mail: bl@studio2k.cz, Website: www.bezpecnostni-listy.eu

**1.4 Emergency telephone number**
Phone: +420 224 919 293 or +420 224 915 402; E-mail: tis@vfn.cz
Toxicology Information Centre in Prague (TIS), Na Bojišti 1, 120 00 Prague 2, Czech Republic
Permanent medical information service for cases of acute poisoning of humans and animals.
National helpdesks contact details - https://echa.europa.eu/support/helpdesks.
Links to Poison Centers and Clinical Toxicologists all over the World: https://www.eapcct.org/index.php?page=links.

## * SECTION 2: Hazards identification

**2.1 Classification of the substance or mixture**
The product is an in vitro diagnostic medical device in accordance with Directive 98/79/EC of the European Parliament and of the Council, is in the finished state and intended for the final user.
It therefore does not apply to its Regulation (EC) No 1272/2008 on classification, labelling and packaging (CLP) according to Article 1, par. 5d).
They need not be classified, labelled or packaged in accordance with this Regulation.

**Classification according to Regulation (EC) No 1272/2008**
The product is classified as dangerous in the terms of the Regulation (EC) No 1272/2008 (CLP).

Skin Corr. 1B 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

**Signal word:** Danger

**Hazard-determining components of labelling:**
methanesulphonic acid
**Hazard statements:**
H314 Causes severe skin burns and eye damage.
**Precautionary statements:**

| | |
|---|---|
| P260 | Do not breathe vapours. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| 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. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container to hazardous or special waste collection point. |

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**Additional information:**
Restricted to professional users.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**
**PBT:**
The mixture does not contain substances classified at the date of preparation of the safety data sheet as PBT according to Regulation (EC) No 1907/2006 (REACH) in a concentration equal to or greater than 0.1 % by weight.
**vPvB:**
The mixture does not contain substances classified at the date of preparation of the safety data sheet as vPvB according to Regulation (EC) No 1907/2006 (REACH) in a concentration equal to or greater than 0.1 % by weight.
**Determination of endocrine-disrupting properties**
The mixture does not contain substances that have been identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

## * SECTION 3: Composition/information on ingredients

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

| **Dangerous components:** | | |
|---|---|---|
| CAS: 75-75-2<br>EINECS: 200-898-6<br>Index number: 607-145-00-4<br>Reg.-No: 01-2119491166-34-XXXX | methanesulphonic acid<br>Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318<br>Acute Tox. 4, H302; Acute Tox. 4, H312; STOT SE 3, H335 | 10.0% |

| **Non dangerous components:** | | |
|---|---|---|
| CAS: 7732-18-5<br>EINECS: 231-791-2 | water, distilled, conductivity or of similar purity | 90.0% |

**SVHC:**
The product does not contain substances classified as of the date of preparation of the safety data sheet as PBT or vPvB and stated in the Candidate list of substances producing very high concerns for Appendix XIV of Regulation (EC) No 1907/2006 (REACH).

**Regulation (EC) No 648/2004 on detergents / Labelling for contents:** Not apply.

**Additional information:**
The substances named in this section are given with their actual, appropriate classification!
For substances that are listed in appendix VI, table 3 of the Regulation (EC) No 1272/2008 (CLP Regulation) this means that all notes that may be given here for the named classification have been taken into account.
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:**
In case of doubt, appearance of symptoms or upon any problems, seek medical help and present this safety data sheet or the product label.
Never pour anything into the mouth of an unconscious person!
Personal protection for the First Aider.
Immediately remove any clothing soiled by the product.
**After inhalation:**
Remove person from danger area.
Take care of fresh air supply and seek medical assistance upon subsequent or lasting problems.
If the person is unconscious, place in a stable side position and consult a physician.
**After skin contact:**
Wash the affected skin with water and soap and rinse thoroughly. Seek medical assistance immediately.
Unmanaged burns result in poorly healing wounds.
**After eye contact:**
Open the eyelids, possibly remove the contact lenses, and thoroughly rinse the affected eyes with clean flowing water for 10 - 15 minutes. Seek medical assistance immediately.
**After swallowing:**
Thoroughly rinse the mouth with water, have the affected person drink plenty of water and do not induce vomiting. Seek medical assistance immediately.
**Information for doctor:** Symptomatic treatment.
**Hazards:** Danger of gastric perforation.

**4.2 Most important symptoms and effects, both acute and delayed**
Possible toxicological effects resulting from the classification are stated in Section 11.
Upon inhalation:

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Respiratory tract irritation.
Cough, headache and nausea.
Upon skin contact:
Causes burns.
Upon eye contact:
Danger of serious eye damage.
Upon ingestion:
Pain in the mouth and throat.
Digestive tract problems, stomach and bowels irritation.
Danger of perforation of the oesophagus and stomach.

**4.3 Indication of any immediate medical attention and special treatment needed**
In case of ingestion, upon skin contact or eye affection, seek medical help immediately.
For special medical advice, contact the Toxicology Information Centre.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**
**Suitable extinguishing agents:**
Alcohol resistant foam, carbon dioxide ($CO_2$), water spray or water mist, extinguishing powder.
Use fire extinguishing methods suitable to surrounding conditions.
**For safety reasons unsuitable extinguishing agents:** Water with full jet.

**5.2 Special hazards arising from the substance or mixture**
Formation of irritating, toxic and harmful fumes of burning is possible in case of fire.
In case of fire, the following can be released:
Carbon oxides.
Sulphur oxides.
Inhalation of hazardous decomposition products of burning may result in damaged health.

**5.3 Advice for firefighters**
**Protective equipment:**
Do not inhale explosion gases or combustion gases.
According to size of fire.
Corresponding protective insulation breathing apparatus and overpressure counter-chemical protective clothing.
**Additional information:**
Cool with water the products in enclosed packaging, which is near the fire. If possible, remove the products in un-damaged packaging from the danger area. Store the contaminated extinguishing water separately and do not let it into the sewerage. Remove the extinguishing water or used extinguishing materials together with the remnants of the fire according to the corresponding regulations.

## * SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**
**For non-emergency personnel:**
Ensure adequate ventilation.
Use personal protective equipment.
Avoid contact with eyes and skin.
Avoid inhalation of vapors.
Prevent entry of unauthorized and unprotected persons.
**For emergency responders:**
Demarcate the endangered area and mark it with appropriate warning and safety warnings.
In case of insufficient ventilation use self-contained breathing apparatus.

**6.2 Environmental precautions**
Prevent increasing of the leaked quantity. Do not let the product enter the sewerage, surface and ground water and soil. Upon a more extensive leak of the product into the environment, proceed according to local regulations and contact the respective departments of local authorities.

**6.3 Methods and material for containment and cleaning up**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and place into suitable and marked vessels.
Possibly wipe the leaked product with a paper towel and place it into a waste vessel.
Thoroughly wash the affected spot and the tools used with a suitable detergent, it is possible to use a larger quantity of water.
Dispose contaminated material as waste according to item 13.
Use neutralising agent.
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.

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*(Continuation of page 3)*

See Section 13 for disposal information.

## * SECTION 7: Handling and storage

**7.1 Precautions for safe handling**
Before use, it is necessary to familiarize oneself with the contents of Sections 2, 6, 8, and 11 of the safety data sheet.
Ensure good ventilation.
Use personal protective equipment.
Avoid inhalation of vapors.
Avoid contact with eyes and skin.
Use working methods according to operating instructions.
General hygiene measures for the handing of chemicals are applicable.
Before a pause and after ending the work, wash the hands and take off the polluted working clothes. Keep these clothes separately.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.
Do not eat, drink, smoke, or snuff during use.
**Information about fire - and explosion protection:**
No special measures required.
Respect general regulations on fire prevention.

**7.2 Conditions for safe storage, including any incompatibilities**
**Storage**
**Requirements to be met by storerooms and receptacles:**
Provide acid-resistant floor.
Store only in unopened original receptacles.
Vessels already open must be reclosed carefully and stored in the upright position in order to prevent leakage of the contents.
**Information about storage in one common storage facility:**
Do not store together with alkalis (caustic solutions).
Keep away from food, drink and animal feedingstuffs.
**Further information about storage conditions:**
Store in a dry and well ventilated place.
Keep containers tightly sealed.
Store under lock and key and with access restricted to technical experts or their assistants only.
**Recommended storage temperature:** Store at room temperature.

**7.3 Specific end use(s)**
The product is intended only for professional use.
Specific use is stated in the manual for use on the product packaging label or in the product documentation.

## * SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**
**Ingredients with limit 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:** No values available.

**PNECs:** No values available.

**Ingredients with biological limit values:**
The product does not contain any relevant quantities of materials with biological limit values.

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**
**Appropriate engineering controls:**
Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under WEL or IOEL values, suitable breathing protection should be worm. Applies only if maximum permissible exposure values are listed here.
**Individual protection measures, such as personal protective equipment**
**General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Do not eat, drink, smoke or sniff while working.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

**Eye/face protection:**

Use enclosed protective goggles with sidewalls or a face shield (EN 166).

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It is necessary to have bottles with a preparation for eye rinsing available at the workplace or to have an eye shower within reach.

**Body protection:**

As needed, use the working protective clothes with long sleeves, possibly overalls, and protective working footwear.

**Hand protection**

Protective gloves (EN ISO 374-1).

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Preventive skin protection by use of skin-protecting agents is recommended.
**Material of gloves:**
For long-term contact:
Natural rubber, latex (EN ISO 374-1).
Recommended thickness of the material: ≥ 0.6 mm.
For short-term contact:
Nitrile rubber gloves (EN ISO 374-1).
Recommended thickness of the material: ≥ 0.2 mm.
Use for example:
For example protective surgical gloves.
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.
**Penetration time of glove material:**
> 480 minutes (EN 16523-1).
No tests have been performed, glove resistance must be tested before use.
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Respiratory protection:**
Unnecessary during regular use.

In case of insufficient ventilation use a suitable breathing mask with a filter (EN 14387+A1).

**Recommended filter device for short term use:** Filter ABEK (EN 14387+A1).

**Thermal hazards:** Not applicable.

**Environmental exposure controls:** Adhere to usual measures for environmental protection, see Section 6.

## * SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **General Information** | |
| **Physical state:** | Fluid. |
| **Colour:** | Colourless. |
| **Odour:** | Odourless. |
| **Melting point/freezing point:** | Not determined. |
| **Boiling point or initial boiling point and boiling range:** | Not determined. |
| **Flammability:** | Not applicable. |
| **Lower and upper explosion limit** | |
| **Lower:** | Not determined. |
| **Upper:** | Not determined. |
| **Flash point:** | Not applicable. |
| **Auto-ignition temperature:** | Product is not selfigniting. |
| **Decomposition temperature:** | Not determined. |
| **pH:** | < 1 |
| **Viscosity** | |
| **Kinematic viscosity:** | Not determined. |
| **Dynamic viscosity:** | Not determined. |
| **Solubility** | |
| **water:** | Miscible. |
| **Partition coefficient n-octanol/water (log value):** | Not determined. |
| **Vapour pressure:** | Not determined. |

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| | |
|---|---|
| **Density and/or relative density** | |
| **Density:** | 1.02 g/cm³ |
| **Relative density:** | Not determined. |
| **Vapour density:** | Not determined. |
| **Relative gas density:** | Not determined. |
| **9.2 Other information** | |
| **Important information on protection of health and environment, and on safety.** | |
| **Ignition temperature:** | Not determined. |
| **Explosive properties:** | Product does not present an explosion hazard. |
| **Solvent content** | |
| **VOC (2010/75/EC):** | Not apply. |
| **Oxidising properties:** | No. |
| **Evaporation rate:** | Not determined. |
| **Information with regard to physical hazard classes** | |
| **Explosives:** | Void. |
| **Flammable gases:** | Void. |
| **Aerosols:** | Void. |
| **Oxidising gases:** | Void. |
| **Gases under pressure:** | Void. |
| **Flammable liquids:** | Void. |
| **Flammable solids:** | Void. |
| **Self-reactive substances and mixtures:** | Void. |
| **Pyrophoric liquids:** | Void. |
| **Pyrophoric solids:** | Void. |
| **Self-heating substances and mixtures:** | Void. |
| **Substances and mixtures, which emit flammable gases in contact with water:** | Void. |
| **Oxidising liquids:** | Void. |
| **Oxidising solids:** | Void. |
| **Organic peroxides:** | Void. |
| **Corrosive to metals:** | Void. |
| **Desensitised explosives:** | Void. |
| **Additional information:** | No relevant information available. |

## SECTION 10: Stability and reactivity

**10.1 Reactivity** Upon adhering to the determined regulations of storage and use, no reactivity is expected (see Section 7).
**10.2 Chemical stability** Upon adhering to the determined regulations of storage and use, the product is stable (see Section 7).
**10.3 Possibility of hazardous reactions** No dangerous reactions known.
**10.4 Conditions to avoid** Prevent contact with incompatible materials.
**10.5 Incompatible materials** Alkalis, strong oxidizing agents, amines, strong reducing agents.
**10.6 Hazardous decomposition products**
No decomposition when used as directed.
At high temperatures, hazardous decomposition products may be created (see Subsection 5.2).

## * 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.

| **Relevant toxicological values for classification:** | | |
|---|---|---|
| **ATE (Acute Toxicity Estimates)** | | |
| Oral | LD50 | 5,000 mg/kg |
| Dermal | ATE | 11,000 mg/kg |

| **75-75-2 methanesulphonic acid** | | |
|---|---|---|
| Oral | LD50 | 500 mg/kg (ATE) |
| Dermal | ATE | 1,100 mg/kg (ATE) |

**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.

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**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.

**Other information:** No further information is available.

**Additional toxicological information:**
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

**Acute effects:**
Serious eye damage - Eye Dam. 1.
Skin corrosion - Skin Corr. 1B.

**Sensitisation:** Based on available data, the classification criteria are not met.

**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):** No CMR effects are known.

**11.2 Information on other hazards**

| **Endocrine disrupting properties:** |
|---|
| None of the ingredients is listed. |

**Other information:** No further information is available.

## * SECTION 12: Ecological information

**12.1 Toxicity**
**Aquatic toxicity:** Based on available data, the classification criteria are not met.

**12.2 Persistence and degradability** No further relevant information available.

**Behaviour in waste water treatment plants:** No relevant information is available.

| **12.3 Bioaccumulative potential** | |
|---|---|
| **75-75-2 methanesulphonic acid** | |
| log Pow | -4.98<br>bioaccumulation is not expected |

**12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**
The product does not contain substances classified as PBT or vPvB and included in the list of substances subject to authorization (Annex XIV of EP and R Regulation No 1907/2006, as amended).
**PBT:** No relevant information is available.
**vPvB:** No relevant information is available.

**12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**

**Additional ecological information**

**AOX-indication:** No relevant information is available.

**General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Must not reach sewage water or drainage ditch undiluted or unneutralised.

## * SECTION 13: Disposal considerations

**13.1 Waste treatment methods**
**Recommendation:**
Must not be disposed together with household waste. Do not allow product to reach sewage system.
Hand over to hazardous waste disposers.
E.g. put away at suitable waste dumps or remove in suitable waste incineration plants.
**Waste disposal key:**
The catalogue numbers with the asterisk (*) mark hazardous waste (N), numbers without the asterisk mark other waste (O).
The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC, 2014/955/EU).

| **European waste catalogue and hazardous properties of waste:** | |
|---|---|
| 06 01 06* | other acids |
| 15 01 10* | packaging containing residues of or contaminated by hazardous substances |
| 15 01 02 | plastic packaging |

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| | |
|---|---|
| HP8 | Corrosive |

**Uncleaned packaging**
**Recommendation:**
Dispose of packaging according to regulations on the disposal of packagings.
Non contaminated packagings may be reused.
Non contaminated packagings may be recycled.
Dispose of packaging that cannot be cleaned in the same manner as the mixture.
Empty container completely. Dispose of hazardous waste pursuant to corresponding local directives in adequate equipment. Put other waste away according to the material type into collection vessels for sorted waste.

**Regulations:**
Commission Decision No 2014/955/EU of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council.
Commission Regulation (EU) No 1357/2014, replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives.
Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, as amended.

## * SECTION 14: Transport information

| | |
|---|---|
| **14.1 UN number or ID number** | |
| **ADR, IMDG, IATA** | UN3265 |
| **14.2 UN proper shipping name** | |
| **ADR** | 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (methanesulphonic acid) |
| **IMDG, IATA** | CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (methanesulphonic acid) |
| **14.3 Transport hazard class(es)** | |
| **ADR** | |
| | |
| **Class:** | 8 (C3) Corrosive substances. |
| **Label:** | 8 |
| **IMDG, IATA** | |
| | |
| **Class:** | 8 Corrosive substances. |
| **Label** | 8 |
| **14.4 Packing group** | |
| **ADR, IMDG, IATA** | III |
| **14.5 Environmental hazards** | |
| **Marine pollutant:** | No. |
| **14.6 Special precautions for user** | Persons employed in transporting dangerous goods must be trained.<br>All persons involved in transporting must observe safety regulations.<br>Precautions must be taken to prevent damage.<br>Warning: Corrosive substances. |
| **Hazard identification number (Kemler code):** | 80 |
| **EMS Number:** | F-A,S-B |
| **Segregation groups:** | Acids |
| **Stowage Category:** | A |
| **Stowage Code:** | SW2 Clear of living quarters. |
| **14.7 Maritime transport in bulk according to IMO instruments** | Not applicable. |

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| **Transport/Additional information:** | |
|---|---|
| **ADR** | |
| **Limited quantities (LQ):** | 5L |
| **Excepted quantities (EQ):** | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>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<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| **UN "Model Regulation":** | UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (METHANESULPHONIC ACID), 8, III |

## * SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
**Named dangerous substances - ANNEX I:** None of the ingredients is listed.
**REGULATION (EC) No 1907/2006 ANNEX XVII:** Conditions of restriction for the group No 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:**

| **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. |

**Legal regulations of the European Community:**
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended.
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, as amended.
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Directive 2012/18/EU of the European Parliament and of the Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC, as amended.
COMMISSION REGULATION (EU) 2016/918 of 19 May 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
COMMISSION REGULATION (EU) 2019/521 of 27 March 2019 amending, for the purposes of its adaptation to technical and scientific progress Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

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

## * SECTION 16: Other information

**Warning:**
The safety data sheet contains data needed for securing safety and health protection during work and environ-mental protection. The stated data correspond to the current state of knowledge and experience and is in accord-ance with valid legal regulations. It cannot be deemed as a guarantee of the properties, suitability, and usefulness of the product for specific application and therefore no contractual legal relationships are hereby created.
The safety data sheet is the property of the physical or legal entity stated in Section 1 and is protected by copy-right. All copying, distribution or sales without the consent of the owner is forbidden.

**Relevant phrases:**
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.

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H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

**Training hints:**
Pursuant to article No 35 of the European Parliament and Council Regulation (ES) No 1907/2006, the employer must allow employees or their representatives access to information from the safety data sheet of the substance or preparation, which the employees use or to the effects of which they may be exposed during their work.
Physical entities performed individual activities within the scope of handling of this hazardous product are trained and regularly, at least once a year, retrained.
Product information sources: safety data sheet, product or technical information, safety instructions, and other ex-pert documents for the product, issued by the supplier.

**Recommended restriction of use:**
The product is to be used only for the purpose, for which it is designed. It is up to the user's responsibility to ad-here to the product usage conditions and to respect the safety instructions for health and environmental protection.
The product is designed only for professional purposes. It must not be used in households. The product can only be handled by a person older than 18 years, who is sufficiently informed about the work procedures, hazardous properties of the product, and also about the necessary safety measures.

**Further information:** This product must be stored, sold, and used in accordance with valid hygienic regulations.

| **Classification according to Regulation (EC) No 1272/2008:** | |
|---|---|
| Skin corrosion/irritation<br>Serious eye damage/eye irritation | Calculation method |

**Department issuing SDS:**
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**First issue of SDS:** 25.03.2014
**Date of previous version:** 03.05.2018
**Version number of previous version:** 3
**Reasons for alterations:**
Revision of the safety data sheet due to adaptation to the requirements of Commission Regulation (EU) 2020/878 of 18 June 2020 with effect from 1 January 2021.
**Revised sections:** 1, 2, 3, 4, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16.
**Internal code formula:** 810.006

**Documents used to prepare SDS:**
The original documents provided by the supplier or manufacturer related to the product (mixture), eventually to individual substances contained.

**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
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Met. Corr.1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**Sources:**
The safety data sheet was prepared in accordance with the European Parliament and Council Regulation (EC) No 1272/2008 (CLP) and according to the requirements of the European Parliament and Council Regulation (EC) No 1907/2006 about the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency - head IV, article 31, appendix II (instructions for safety data sheet compiling), as amended by the Commission Regulation (EU) No 2020/878 of 18 June 2020.
The missing ecotoxicology and toxicology data was obtained from the ESIS (European chemical Substances Information System), specifically from the IUCLID (International Uniform ChemicaL Information Database). As needed, data from further available chemical databases was used.

*** Data compared to the previous version altered.**

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