

**Safety data sheet**  
according to Regulation (EC) No 1907/2006, (EU) No 2015/830

Printing date: 03.05.2018

Version number: 3

Revision: 03.05.2018


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

- **1.1 Product identifier**
- **Trade name:** **STOP**
- **Other names:** Stop Solution
- **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:** Preparation for in vitro diagnostic use.
- **Uses advised against:** No information available at present.
- **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](mailto:pospisiljar@testlinecd.com) / WWW: [www.testlinecd.com](http://www.testlinecd.com)
- **Further information obtainable from:** Ing. Karel Královec, Studio2K, E-mail: [bl@studio2k.cz](mailto:bl@studio2k.cz)
- **1.4 Emergency telephone number**  
Phone: +420 224 919 293 or +420 224 915 402; E-mail: [tis@vfn.cz](mailto:tis@vfn.cz)  
Toxicology Information Centre in Prague (TIS), Na Bojišti 1, 120 00 Prague 2  
Permanent medical information service for cases of acute poisoning of humans and animals.  
National helpdesks contact details - <http://echa.europa.eu/cs/support/helpdesks/national-helpdesks/list-of-national-helpdesks>.

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **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.

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

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:**  
The mixture does not contain substances classified as of the date of preparation of the safety data sheet as PBT pursuant to Regulation (EC) No 1907/2006 (REACH).

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· **vPvB:**

The mixture does not contain substances classified as of the date of preparation of the safety data sheet as vPvB pursuant to Regulation (EC) No 1907/2006 (REACH).

## SECTION 3: Composition/information on ingredients

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

CAS: 75-75-2 EINECS: 200-898-6 Index number: 607-145-00-4 Reg.-No: 01-2119491166-34-XXXX	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	10.0%
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· **Non dangerous components:**

CAS: 7732-18-5 EINECS: 231-791-2	water, distilled, conductivity or of similar purity	90.0%
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· **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.

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.· **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.

Never put anything into the affected person's mouth, unless the person is conscious.

· **Information for doctor:** Symptomatic treatment.· **4.2 Most important symptoms and effects, both acute and delayed**

Possible toxicological effects resulting from the classification are stated in Section 11.

The following may occur:

Upon inhalation:

Respiratory tract irritation.

Cough, headache and nausea.

Upon eye contact:

Danger of serious eye damage.

Upon ingestion:

Digestive tract problems, stomach and bowels irritation.

· **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.

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**· **Suitable extinguishing agents:**

Alcohol resistant foam, carbon dioxide CO<sub>2</sub>, water spray or water mist, extinguishing powder.

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- 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**  
Ensure adequate ventilation.  
Avoid inhalation.  
Wear protective equipment. Keep unprotected persons away.  
Prevent contact of the product with eyes, skin, and clothing, use personal protective equipment.  
Prevent entry of unauthorised persons.
- **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.  
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.  
Prevent contact of the product with the skin and eyes, use personal protective means.  
Avoid inhalation.  
Use working methods according to operating instructions.  
General hygiene measures for the handling 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.
- **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.

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· **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**

· **Additional information about design of technical facilities:**

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 worn. Applies only if maximum permissible exposure values are listed here.

· **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**

· **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.

· **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).

· **Protection of hands:**



Protective gloves (EN 374).

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 374).  
Recommended thickness of the material:  $\geq 0.6$  mm.  
For short-term contact:  
Nitrile rubber gloves (EN 374).  
Recommended thickness of the material:  $\geq 0.2$  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 374).

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.

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· **Eye protection:**



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

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.

· **Thermal hazards:** Not apply.

· **Limitation and supervision of exposure into the environment:**

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**

· **Appearance**

**Form:** Fluid.  
**Colour:** Colourless.

· **Odour:** Odourless.  
· **Odour threshold:** Not determined.

· **pH-value:** < 1

· **Change in condition**

**Melting point/freezing point:** Not determined.  
**Initial boiling point and boiling range:** Not determined.

· **Flash point:** Not applicable.

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits**

**Lower:** Not determined.  
**Upper:** Not determined.

· **Oxidising properties:** No.

· **Vapour pressure:** Not determined.

· **Density:** 1.02 g/cm<sup>3</sup>

· **Vapour density:** Not determined.

· **Evaporation rate:** Not determined.

· **Solubility in / Miscibility with water:**

Miscible.

· **Partition coefficient: n-octanol/water:** Not determined.

· **Viscosity**

**Dynamic:** Not determined.  
**Kinematic:** Not determined.

· **Solvent content**

**VOC (2010/75/EC):** Not apply.

· **9.2 Other information** No further 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).

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- **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 toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant 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)

- **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.
- **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/eyes corrosion - Skin Corr. 1A.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** No CMR effects are known.
- **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.
- **Other information:** No further information is available.

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** Based on the available data, the classification criterions 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	bioaccumulation is not expected
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- **12.4 Mobility in soil** No further relevant information available.
- **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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:**  
The mixture does not contain substances classified as of the date of preparation of the safety data sheet as the PBT pursuant to Regulation (EC) No 1907/2006 (REACH).

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- **vPvB:**  
The mixture does not contain substances classified as of the date of preparation of the safety data sheet as the vPvB pursuant to Regulation (EC) No 1907/2006 (REACH).
- **12.6 Other adverse effects** No further relevant information available.

**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).

· **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
HP 8	Corrosive

- **Uncleaned packaging**
- **Recommendation:**  
Dispose of packaging according to regulations on the disposal of packagings.  
Non contaminated packagings may be reused.  
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:**  
Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, as amended.  
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.  
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.

**SECTION 14: Transport information**

- **14.1 UN-Number**  
· **ADR, IMDG, IATA** UN3265
- **14.2 UN proper shipping name**  
· **ADR** 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
· **IMDG, IATA** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
- **14.3 Transport hazard class(es)**
- **ADR**
- 
- **Class:** 8 (C3) Corrosive substances.  
· **Label:** 8
- 
- **IMDG, IATA**
- 
- **Class:** 8 Corrosive substances.  
· **Label:** 8

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<ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>	<p style="text-align: center;">II</p>
<ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards</b></li> <li>· <b>Marine pollutant:</b></li> </ul>	<p style="text-align: center;">No.</p>
<ul style="list-style-type: none"> <li>· <b>14.6 Special precautions for user</b></li> <li>· <b>Danger code (Kemler):</b></li> <li>· <b>EMS Number:</b></li> <li>· <b>Stowage Category:</b></li> <li>· <b>Stowage Code:</b></li> </ul>	<p>Persons employed in transporting dangerous goods must be trained. All persons involved in transporting must observe safety regulations. Precautions must be taken to prevent damage. Warning: Corrosive substances.</p> <p style="text-align: center;">80 F-A,S-B B SW2 Clear of living quarters.</p>
<ul style="list-style-type: none"> <li>· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b></li> </ul>	<p style="text-align: center;">Not applicable.</p>
<p>· <b>Transport/Additional information:</b></p>	
<ul style="list-style-type: none"> <li>· <b>ADR</b></li> <li>· <b>Limited quantities (LQ):</b></li> <li>· <b>Excepted quantities (EQ):</b></li> <li>· <b>Transport category:</b></li> <li>· <b>Tunnel restriction code:</b></li> </ul>	<p style="text-align: center;">1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p> <p style="text-align: center;">2 E</p>
<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Limited quantities (LQ):</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	<p style="text-align: center;">1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p>
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>	<p style="text-align: center;">UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., 8, II</p>

## 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.
- **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) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), as amended.  
 Council Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances, 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.
- **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 environmental protection. The stated data correspond to the current state of knowledge and experience and is in accordance 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.

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· **Relevant phrases:**

H290 May be corrosive to metals.  
 H302 Harmful if swallowed.  
 H312 Harmful in contact with skin.  
 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 expert 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 adhere 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	Calculation method
Serious eye damage/eye irritation	

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· **First issue of SDS:** 25.03.2014

· **Internal code formula:** 811.006

· **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 européen sur le transport 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 2015/830 dated 28 May 2015.

The classification of the mixture was performed pursuant to the European Parliament and Council Regulation (EC) No 1272/2008 (CLP). The data provided by the manufacturers or importers of individual mixture components stated in their safety data sheets served as the basis.

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.

· **Safety data sheet revision:**

Safety data sheet revision because of the addition of certain data or information.

Change of chapters: 1, 3, 8, 11 - 13, 15, 16.

This release of the safety data sheet is its 2 revision and replaces the safety data sheet revised on: 27.07.2015.

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

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