

# SAFETY DATA SHEET

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Revision date: 10.10.2023

Version: 01

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

### 1.1 Product identifier:

Trade name: AS-METALPAST  
Product code: No information available.  
UFI: 8XC1-P0M7-C006-K4TF

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

Identified uses: Concentrated agents for washing and passivating, ultrasonic cleaning, immersion washing or manual washing of stainless, light and non-ferrous metals and materials (prochrome, aluminium, copper, brass, glass, plastic, etc.) and for passivating stainless steel, aluminium and metal alloys, which contain chromium.

Uses advised against: Do not use for purposes other than those recommended.

### 1.3 Details of the supplier of the safety data sheet:

Manufacturer:  
ASONIC d.o.o.  
Tržaška cesta 134  
1000 Ljubljana, Slovenia  
Phone: + 386 41 566618  
e-mail: order@asonic.si

### 1.4 Emergency telephone number:

Belgium: 070 245 245  
Bulgaria: +359 2 9154 233  
Croatia: +3851 2348 342 (24/7 in Croatian and English).  
Czech Republic: +420 224 919 293, +420 224 915 402  
Denmark: +45 8212 1212  
Estonia: 112 (National emergency telephone number (Häirekeskuse number)); 16662 (nationally) and +372) 7943 794 (calling from abroad)  
Finland: 0800 147 111, 09 471 977 (Open 24 hours a day)  
France: + 33 (0)1 45 42 59 59  
Greece: (0030) 2107793777  
Hungary: +36-80-201-199 (0-24h, free of charge)  
Ireland: 01 809 2566  
Italy (CAP, Phone Number, City): 00165 06 68593726 (Roma); 71122 800183459 (Foggia); 80131 081-5453333 (Napoli); 161 06-49978000 (Roma); 168 06-3054343 (Roma); 50134 055-7947819 (Firenze); 27100 0382-24444 (Pavia); 20162 02-66101029 (Milano); 24127 800883300 (Bergamo); 37126 800011858 (Verona).

Latvia: Valsts ugunsdzēsības un glābšanas dienests, phone number: 112. Toksikoloģijas un sepses klīnikas Saindēšanās un zāļu informācijas centrs, Hipokrāta 2, Rīga, Latvija, LV-1038, phone number +371 67042473. Service is available 24 hours.

Lithuania: +370 (85) 2362052

Luxembourg: (+352) 8002 5500 (24/7, experts answer in French, Dutch and English)

The Netherlands: +31 (0)88 755 8000

Norway: 22 59 13 00 (Open 24 hours a day, 7 days a week.)

Portugal: +351 800 250 250

Romania: +40213183606

Slovakia: +421 2 5477 4166

Slovenia: 112

Spain: + 34 91 562 04 20 (available 24h/365 days)

Sweden: 112

## SECTION 2: Hazard identification

### 2.1 Classification of the substance or mixture:

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Eye Dam. 1, H318 (Serious eye damage/Eye irritation, Category 1, H318)

STOT SE 3, H335 (Specific Target Organ Toxicity - Single exposure: Respiratory tract irritation, Category 3, H335)

### 2.2 Label elements:

#### 2.2.1 Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word(s): Danger

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Hazard pictogram(s):



Hazard statement(s):

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary statement(s):

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

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

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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/...

P312 Call a POISON CENTER/doctor/... if you feel unwell.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container to according to regulations.

Contains:

Citric acid; Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether; Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

**2.3 Other hazards:**

No information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Mixture

**Description of the substance/mixture:** No information available.

| Substance  | EC No.    | CAS No.     | Index No. | CLP-classification   | Concentration % (w/w) | REACH Reg. No. |
|--|-----------|-------------|-----------|--|-----------------------|----------------|
| Citric acid  | 201-069-1 | 77-92-9     | /         | Eye Irrit. 2, H319<br>STOT SE 3, H335  | 30 - <50              | /              |
| Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether | 605-450-7 | 166736-08-9 | /         | Acute Tox. 4, H302<br>Eye Dam. 1, H318   | 5 - < 15              | /              |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts             | 270-115-0 | 68411-30-3  | /         | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 | 0 -<1                 | /              |

**More information:** Please see section 16 for the full text of H- / EUH-phrases.

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| <u>General:</u>                       | No information available.  |
| <u>Inhalation:</u>                    | In case of inhalation of the product, take the exposed person to fresh air. If coughing and/or other breathing problems occur - seek medical help immediately. |
| <u>Skin contact:</u>                  | Immediately wash with plenty of water, cover with a sterile protective bandage, seek the help of a dermatologist.  |
| <u>Eye contact:</u>                   | Rinse immediately under running water for at least 15 minutes with the eyelids open. Seek help from an eye doctor.   |
| <u>Ingestion:</u>                     | Immediately rinse your mouth and drink 200-300 ml of water, seek medical help.   |
| <u>Protection of the first aider:</u> | No information available.  |

### 4.2 Most important symptoms and effects, both acute and delayed

Eyes: redness, pain, blurred vision

Skin: redness, pain, burns, blisters

Ingestion: may be harmful if swallowed. If the substance enters the lungs, signs and symptoms may include coughing, choking, wheezing, difficulty breathing, chest tightness, shortness of breath, and/or fever.

Inhalation: harmful by inhalation. Rest, fresh air, medical assistance. Inhale the corticosteroid aerosol immediately.

### 4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment (decontamination, checking of vital functions), specific antidote is unknown.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO<sub>2</sub>), water spray, alcohol-resistant foam, dry powder.

Unsuitable extinguishing media: Water jet

### 5.2 Special hazards arising from the substance or mixture

It is not flammable. In case of fire, the following can be released: carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO), flammable gases/vapours. It is not flammable. There is no risk of explosion. Combustion products: Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>).

### 5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus and protective suit.

### Additional information:

No information available.

## SECTION 6: Accidental release measures

### 6.1 Personal safety measures, protective equipment and emergency procedures

6.1.1 For non-emergency personnel: Wear protective clothing. See section 8 for more information. Notify emergency personnel. Restrict access to the endangered area until the consequences of the accident are eliminated. Eliminate potential sources of ignition. Remove spilled product. Ensure adequate ventilation. Notify local authorities in accordance with applicable regulations. Avoid contact with skin, eyes and clothing. Prevent product from entering surface water, drains, groundwater or waterways.

6.1.2 For emergency responders: No information available.

### 6.2 Environmental precautions

Do not allow to enter surface waters or sewers.

### 6.3 Methods and materials for containment and cleaning up

6.3.1 Spill Containment: Stop leaks and runoff into the environment. Remove sources of ignition (open flame, sparks...).

6.3.2 Spill clean-up: Collect the spilled agent mechanically with an adsorption material (sawdust, sand, earth) and remove it to a marked container for further disposal in accordance with the applicable waste management regulations. Comply with applicable laws and

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## 6.3.3 Other information:

regulations.

No information available.

## 6.4 References to other sections

Personal protective equipment: see section 8. Incompatible materials: see section 10.

Disposal: see section 13.

## Additional information:

No information available.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations for preventing fire, the formation of aerosols and dust, and for protecting the environment:

Do not breathe vapor or mist. Wear personal protective equipment. Ensure effective ventilation. Avoid contact with eyes, skin and clothing. Store in original packaging.

Advice on general occupational hygiene:

Do not eat, drink or smoke while working, wash your hands with soap after working with the product.

### 7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Store in original packaging. Keep containers tightly closed in a dry, cool and well-ventilated area. Prevent air/oxygen entry (peroxide formation). Keep away from sources of heat and ignition. Store away from direct sunlight.

Packaging materials:

No information available.

Requirements for storage areas and containers:

No information available.

Storage class:

No information available.

### 7.3 Specific end use(s)

According to the technical information.

Recommendations:

No information available.

Specific uses for industry:

No information available.

## Additional information:

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 8.1.1 Occupational exposure limit:

| Substance   | CAS No. | Country       | Limit values 8h |       | Limit value - Short term |          | Remarks  |
|-------------|---------|---------------|-----------------|-------|--------------------------|----------|--|
|             |         |               | mg/m3           | ppm   | mg/m3                    | ppm      |  |
| Citric acid | 77-92-9 | Germany (AGS) | /               | 2 (1) | /                        | 4 (1)(2) | (1) Inhalable fraction (2) 15 minutes average value            |
| Citric acid | 77-92-9 | Germany (DFG) | /               | 2 (1) | /                        | 4 (1)(2) | (1) Inhalable fraction and vapour (2) 15 minutes average value |
| Citric acid | 77-92-9 | Switzerland   | /               | 2 (1) | /                        | 4 (1)(2) | (1) Inhalable fraction (2) 15 minutes average value            |

#### 8.1.2 Biological limit values:

| Substance | CAS No. | Parameter | Biological limits values (BAT) | Biological sample | Sampling time |
|-----------|---------|-----------|--------------------------------|-------------------|---------------|
| /         | /       | /         | /                              | /                 | /             |

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## 8.1.3 DNEL:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3 [mg/m<sup>3</sup>] inhalation systemic

## 8.1.4 PNEC:

Citric acid 77-92-9 PNEC 0.44 mg/l aquatic organisms freshwater short-term (single exposer)

Citric acid 77-92-9 PNEC 0.044 mg/l aquatic organisms sea water short-term (single exposer)

Citric acid 77-92-9 PNEC 1,000 mg/l aquatic organisms wastewater treatment plant (WTP) short-term (single exposer)

Citric acid 77-92-9 PNEC 34.6 mg/kg freshwater aquatic organisms sediment short-term (single exposer)

Citric acid 77-92-9 PNEC 3.46 mg/kg aquatic organisms marine sediment short-term (single exposer)

Citric acid 77-92-9 PNEC 33.1 mg/kg terrestrial organisms Soil organisms short-term (single exposer)

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls:

No information available.

### 8.2.2 Individual protection measures, such as personal protective equipment:

- General  
Wear impervious work clothing. Observe normal safety precautions when handling chemicals.
- Eye/face protection  
Safety glasses that adapt to the face (e.g., EN 166) and a face shield.  
Protective means should be selected according to the activity and possible action, e.g. protective apron, boots, protective suit (according to DIN-EN 465).  
Protective gloves resistant to chemicals (EN 374). Suitable materials even for long-term direct contact (recommendation: protection index 6, corresponds to the Breakthrough time according to EN 374 > 480 minutes).  
nitrile rubber (NBR) - layer thickness 0.4 mm
- Skin protection  
Note: The data is based on own tests, data from the literature and according to the glove manufacturer's data or derived by analogy with similar substances. It should be taken into account that in practice the duration of protective gloves due to various influences (e.g., temperature) can be significantly shorter than the permeability time obtained by tests. Due to the wide range of protection types, follow the manufacturer's instructions.  
Inhalation protection when releasing vapours/aerosols. A particle filter with a medium capacity to retain solid and liquid particles (e.g., EN 143 or SIST 149, type P1 or P2 or FFP2).
- Hand protection  
No information available.
- Respiratory protection  
No information available.
- Thermal hazards  
No information available.

### 8.2.3 Environmental exposure controls:

No information available.

### Additional information:

No information available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  | Value/Unit/Method         |
|--|---------------------------|
| Physical state   | Liquid                    |
| Colour   | Light yellow              |
| Odour  | Mild                      |
| Odor threshold limit value                               | No information available. |
| Melting point/freezing point                             | No information available. |
| Boiling point or initial boiling point and boiling range | No information available. |
| Flammability   | No information available. |
| Lower/upper explosive limit                              | No information available. |
| Flash point  | No information available. |
| Auto-ignition temperature                                | No information available. |

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|  |                                  |
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| Decomposition temperature                                | No information available.        |
| pH   | <7 (20 °C)                       |
| Kinematic viscosity                                      | No information available.        |
| Solubility   | No information available.        |
| Partition coefficient n-octanol/water (log value)        | No information available.        |
| Vapor pressure   | No information available.        |
| Density and/or relative density                          | 1,10 g/cm <sup>3</sup> pri 20 °C |
| Relative density   | No information available.        |
| Relative vapor density                                   | No information available.        |
| Particle characteristics                                 | No information available.        |
| Oxidizing properties                                     | The product is not oxidizing     |
| <b>9.2 Other information:</b>                            |                                  |
| 9.2.1 Information with regard to physical hazard classes | No information available.        |
| 9.2.2 Other safety characteristics                       | No information available.        |
| <b>Additional information:</b>                           | No information available.        |

## SECTION 10: Stability and reactivity

|  |  |
|--|--|
| <b>10.1 Reactivity</b>                         | There is no risk of reactivity under normal storage and handling conditions.             |
| <b>10.2 Chemical stability</b>                 | Stable under recommended storage conditions.   |
| <b>10.3 Possibility of hazardous reactions</b> | There are no known specific conditions that should be avoided.                           |
| <b>10.4 Conditions to avoid</b>                | There are no known specific conditions that should be avoided.                           |
| <b>10.5 Incompatible Materials</b>             | No information available.  |
| <b>10.6 Hazardous decomposition products</b>   | Under the prescribed conditions of storage and handling, the product does not decompose. |
| <b>Additional information:</b>                 | No information available.  |

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 (CLP)

Acute toxicity: The mixture is not classified.

Ingredients that may contribute to acute oral toxicity:

2-butoxyethanol, LD 50 (oral): ATE 500 mg/kg  
tetrasodium ethylenediaminetetraacetate, LD 50 (oral): ATE 500 mg/kg  
Alcohols, C9-11-iso-, C10-rich, ethoxylated, LD 50 (oral): ATE 500 mg/kg  
Calculated estimated value for acute oral toxicity ATE (mixtures): 1515 mg/kg  
The mixture is therefore classified in category 4 Acute toxicity (oral).

Ingredients that may contribute to acute dermal toxicity:

There are no suitable ingredients in the mixture. The mixture is not classified according to acute toxicity (dermal).

Ingredients that may contribute to acute inhalation toxicity:

2-butoxyethanol, LC 50 (inhalation): ATE 3 mg/l/4h  
Calculated estimated value for acute inhalation toxicity ATE (mixture): 37 mg/l/4h  
The mixture is therefore not classified as acutely toxic (inhalation).

Skin corrosion/irritation:

Result: the mixture is classified in category 1B.

Serious eye damage/irritation:

Substances classified as corrosive substances of category 1B also cause severe eye damage. The mixture is classified in category 1.

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|  |   |
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| <u>Respiratory or skin sensitisation:</u>  | The mixture is not classified.  |
| <u>Germ cell mutagenicity:</u>   | The mixture is not classified.  |
| <u>Carcinogenicity:</u>  | The mixture is not classified.  |
| <u>Reproductive toxicity:</u>  | The mixture is not classified.  |
| <u>STOT – single exposure:</u>   | The mixture is not classified.  |
|  | Components that may contribute to specific target organ toxicity - single exposure:<br>Respiratory tract irritation:  |
|  | Important substances:<br>disodium metasilicate, Substance Classification: Category 3<br>The mixture is not classified as specific target organ toxicity - single exposure:<br>respiratory tract irritation.<br>Components that may contribute to specific target organ toxicity - single exposure:<br>Narcotic effects: |
|  | Important substances:<br>propan-2-ol, Substance classification: Category 3<br>The mixture is not classified in Specific target organ toxicity - single exposure:<br>Narcotic effects.   |
| <u>STOT - repeated exposure:</u>   | The mixture is not classified.  |
| <u>Aspiration hazard:</u>  | The mixture is not classified.  |
| <u>Information on likely routes of exposure:</u>   | No information available.   |
| <u>Symptoms related to the physical, chemical and toxicological characteristics:</u>               | No information available.   |
| <u>Delayed and immediate effects as well as chronic effects from short and long-term exposure:</u> | No information available.   |
| <u>Interactive effects</u>   | No information available.   |
| <u>Absence of specific data:</u>   | No information available.   |
| <u>Mixture versus substance information:</u>   | No information available.   |
| <b>11.2 Information on other hazards</b>   |   |
| Endocrine disruptor properties:  | No information available.   |
| Other information:   | No information available.   |

## SECTION 12: Ecological information

|                      |  |
|----------------------|--|
| <b>12.1 Toxicity</b> | Not classified as hazardous to the aquatic environment.<br>Toxicity of the components of the mixture to aquatic organisms (acute).<br><br>Citric acid CAS: 77-92-9, LC50- 440 mg/l, fish -48 h<br>Biodegradation - No data available.<br>Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether CAS: 166736-08-9<br>Acutely harmful to aquatic organisms.<br>Toxicity to fish:<br>LC50 (96 h) > 10 - 100 mg/l, Brachydanio rerio (OECD Directive 203)<br>Aquatic invertebrates:<br>EC50 (48 h) > 10 - 100 mg/l, Daphnia magna<br>Aquatic plants:<br>EC50 (72 h) > 10 - 100 mg/l, Scenedesmus subspicatus<br>Microorganisms / effect on activated sludge: |
|----------------------|--|

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EC50 (0.5 h), bacteria  
not specified  
Chronic toxicity to fish:  
No information.  
Chronic toxicity to aquatic invertebrates: No data available.  
Assessment of soil toxicity: No data on soil toxicity.

CAS: 68411-30-3-benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts  
Toxicity to fish: LC50 - Lepomis macrochirus - 1.67 mg/L - 96 h. Toxicity to fleas and other aquatic vertebrates: EC50 - Daphnia magna - 2.9 mg/L - 48 h. Algae toxicity: EC50 - Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) - 29 mg/L - 96 h. Toxicity to microorganisms: no data

## 12.2 Persistence and degradability

Citric acid: CAS-77-92-9 biotic/abiotic, 98% 2 days  
Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether CAS: 166736-08-9  
Exclusion information:  
≥ 90% bismuth - active substance (mod. OECD 303A)  
Analogy: Evaluation based on chemically similar products.

## 12.3 Bioaccumulative potential

Citric acid CAS-77-92-9, logKOW, -1.64  
Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether CAS: 166736-08-9 Assessment of potential bioaccumulation:  
An increase in the concentration in organisms is not expected.

## 12.4 Mobility in soil

Citric acid CAS-77-92-9- No data available.  
Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether CAS: 166736-08-9 Assessment of traffic in different segments of the environment:  
- Volatility: the substance does not evaporate from the water surface into the atmosphere.  
- Absorption in the soil: Possible binding to the solid phase in the soil.

## 12.5 Results of PBT and vPvB assessment

Citric acid CAS-77-92-9- Does not meet the criteria for identification as PBT and vPvB. Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether CAS: 166736-08-9: Does not meet the criteria for identification as PBT and vPvB.

## 12.6 Endocrine disrupting properties

No information available.

## 12.7 Other adverse effects

CAS: 166736-08-9-Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether  
The product does not contain substances listed in Directive (EU) 1005/2009 as substances that damage the ozone layer. Other instructions regarding distribution and residues: during processing or follow local regulations and rules for waste water disposal in biological treatment plants. Other ecotoxicological information: The product has not been tested. Ecotoxicology statements are derived from products of similar structure or composition

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Waste treatment of mixture:

When removing - do not mix with municipal waste. You must hand over the used product, waste or unused parts of the product to an authorized person who collects and handles waste in accordance with national regulations and legislation on waste. The owner or other owner of the waste, or the authorized operator, is obliged to classify the waste in the prescribed manner, carry out testing of hazardous waste and waste that may be dangerous due to its origin, composition and properties. It is forbidden to mix it with other types of waste that pose a greater risk to the

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| environment.                         |   |
| <u>EWC code:</u>                     | No information available.   |
| <u>Waste treatment of packaging:</u> | No information available.   |
| <u>EWC code:</u>                     | 15 01 10* Packaging containing residues of dangerous substances or contaminated with dangerous substances |
| <b>Additional information:</b>       | No information available.   |

## SECTION 14: Transport information

**14.1 UN number and ID number:** 1760



**14.2 UN proper shipping name:** ADR/RID - CORROSIVE LIQUID IMDG - CORROSIVE LIQUID

**14.3 Transport hazard class(es):**

ADR/RID 8

IMDG 8

IATA 8

**14.4 Packing group:**

ADR/RID III

IMDG III

IATA III

**14.5 Environmental hazards:** According to traffic regulations, it is not classified as dangerous.

**14.6 Special precautions for user:** No

**14.7 Maritime transport in bulk according to IMO instruments:** Not transported in bulk.

## SECTION 15: Regulatory information

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

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 on registration, evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency and amending the Directive 1999/45 / EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 and Council Directives 76/769 / EEC and Commission Directives 91/155 / EEC, 93/67 / EEC, 93/105 / EC and 2000/21 / EC (as amended by Commission Regulation (EU) No. 830/2015) - with amendments

- 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 1234/2007.

**15.2 Chemical safety assessment**

No information available.

## SECTION 16: Other information

**Changes to the safety data sheet:**

No information available.

**Abbreviations:**

CLP - Classification, Labelling and Packaging

DNEL – Derived No-Effect Level

EWC code - six-digit code used to identify waste as listed in the European Waste Catalogue

PNEC - Predicted concentration without effect

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals

STOT – Specific Target Organ Toxicity

UFI - the 16-character unique formula identifier (UFI) code

**Resources for creating a safety data sheet:** AS-METALPAST - SI (Revision date: 10.10.2023)

**List of relevant hazard statements and/or precautionary statements under sections 2 to 15:**

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H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.

**Training for workers:** No information available.

**Recommended usage restrictions:** No information available.

The information in the safety data sheet is based on our knowledge and available information. The safety data sheet indicates the product and the safety measures prescribed for it. The safety data sheet does not guarantee the quality of the product. A legal or natural person who places a chemical on the market is not responsible for any improper use, only this and the resulting consequences.

**- End of safety data sheet -**