

SAFETY DATA SHEET

According to Regulation (EU) No 2020/878

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING *

1.1. Product identifier

Product name : RUSTYCO LIQUID SANDPAPER
Product code : -
UFI : QH00-N0AP-Y007-NURC

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

Application : SU21 Consumer product. PC35 Other cleaning, care and maintenance products (excludes biocidal products). Rust removing agent.

1.3. Details of the supplier of the safety data sheet

Supplier : Rustyco
Postbus 22
9640 AA Veendam, The Netherlands
Telephone : +31 598 631 333
E-mail : info@rustyco.com
Website : www.rustyco.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

NL - Telephone : +31 598 631 333 (During office hours only)

EMERGENCY TELEPHONE NUMBER (for DOCTORS only):

National Poisons Information Service +44 344 892 0111 (24/7)

SECTION 2 HAZARDS IDENTIFICATION *

2.1. Classification of the substance or mixture

CLP classification : Corrosive to metals, category 1. Skin corrosion, category 1. Serious eye damage, category 1. (1272/2008/EC)

Human health hazards : Causes severe skin burns and eye damage.

Physical/chemical hazards : Reacts vigorously in contact with alkalines. Strong heat development possible. May be corrosive to metals.

Environmental hazards : Not classified as dangerous according to statutory EC-Directives.

2.2. Label elements

Label elements ((EU) 1272/2008):

Hazard pictograms :



Signal word : Danger

| | | |
|------------------|------|--|
| H- and P-phrases | H290 | May be corrosive to metals. |
| | H314 | Causes severe skin burns and eye damage. |
| | P101 | If medical advice is needed, have product container or label at hand. |
| | P102 | Keep out of reach of children. |
| | P234 | Keep only in original container. |
| | P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

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| | |
|--------------------|--|
| 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/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. |
| P363 | Wash contaminated clothing before reuse. |
| P405 | Store locked up. |
| P390 | Absorb spillage to prevent material damage. |
| P501 | Dispose of contents/container to an official chemical waste depot. |

Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases:

Hazard pictograms :



Signal word : Danger

| | | |
|------------------|-----------------------|--|
| H- and P-phrases | : H314 | Causes severe skin burns and eye damage. |
| | P101 | If medical advice is needed, have product container or label at hand. |
| | P102 | Keep out of reach of children. |
| | 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/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. |
| | P363 | Wash contaminated clothing before reuse. |
| | P405 | Store locked up. |
| | P501 | Dispose of contents/container to an official chemical waste depot. |

Additional labelling (for all packaging sizes)

: Contains: Phosphoric acid < 25 % .

Ingredient declaration according to Regulation EC 648/2004:

| Contains: | Concentration (%) |
|----------------------|-------------------|
| Benzisothiazolinone. | |

Other information : According to regulation (EC) 1272/2008, Annex II, part 3, the packaging of this product shall carry a tactile warning of danger and a child-resistant fastening.

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances. Human health: This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605. Environment: This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Product description : Mixture.

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Information on hazardous substances:

| Substance name | Concentration (w/w) (%) | CAS nr. | EC number | Remark | REACH nr. |
|-----------------|-------------------------|-----------|-----------|--------|------------------|
| Phosphoric acid | 10 - < 25 | 7664-38-2 | 231-633-2 | | 01-2119485924-24 |

| Substance name | Hazard Class | H-phrases | Pictograms | |
|-----------------|---|------------------|------------|--|
| Phosphoric acid | Met. Corr. 1; Skin Corr. 1B; Eye Dam. 1 | H290; H314; H318 | GHS05 | H314 B : C >= 25 % H290 : C >= 20 % H315 : C >= 10 % H319 : C >= 10 % H318 : C >= 25 % |

Occupational exposure limit(s), if relevant, are listed in section 8.

Reference is made to chapter 16 for full text of each relevant H phrase.

SECTION 4 FIRST-AID MEASURES

4.1. Description of first aid measures

First aid measures

- Inhalation : Move victim into fresh air. Transport to a hospital immediately.
- Skin contact : Immediately wash off skin with plenty of water. Take off contaminated clothing. Consult a doctor in case burns or irritation occur.
- Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Transport to a hospital immediately.
- Ingestion : Do not induce vomiting. Rinse the mouth, give 1 glass of water at most. Do not give milk. Never give anything by mouth to an unconscious person. Transport to a hospital immediately.

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

Effects and symptoms

- Inhalation : Corrosive. May cause sore throat and coughing. May cause shortness of breath or lack of breath.
- Skin contact : Corrosive. May cause redness, pain and severe burns (blisters).
- Eye contact : Corrosive. May cause redness and severe pain. Tears.
- Ingestion : Corrosive. May cause burning pain in throat and mouth. May cause a feeling of sickness, vomiting and diarrhoea.

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

Note to physicians : None known.

SECTION 5 FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

- Suitable : Carbondioxide (CO2). Foam. Dry chemical. Water fog.
- Not suitable : Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

- Special exposure hazards : None known. Non flammable product.
- Hazardous thermal decomposition and combustion products : None known.

5.3. Advice for firefighters

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Special protective equipment for fire-fighters : Not applicable. Attention: extinguishing water can be corrosive.
Other information : Collect contaminated fire extinguishing water separately. Avoid release of product into sewers, surface water and/or ground water.

SECTION 6 ACCIDENTAL RELEASE MEASURES *

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material.

6.2. Environmental precautions

Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike. Large scale discharge causing a very low pH may impair the biological system in sewage plants. Inform the official bodies if necessary.
Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spilled material in containers. Carefully neutralise residues with soda. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water.

6.4. Reference to other sections

Reference to other sections : See also section 8.

SECTION 7 HANDLING AND STORAGE *

7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. When dissolving or diluting, always add product to water. NEVER vice versa. Avoid contact with skin and eyes. Avoid splashing. Wear protective clothing. After contact with skin, wash immediately with plenty of water.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep frost-free, in a cool, dry and well-ventilated place.
Recommended packaging : Keep only in the original container.
Non recommended packaging : Steel and aluminium.

7.3. Specific end use(s)

Use : Use only as directed. Do not mix with other products.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION *

8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m³):

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| Chemical name | Country | TWA 8 hour (mg/m ³) | STEL 15 min (mg/m ³) | Comments | Source |
|-----------------|---------|------------------------------------|-------------------------------------|----------|----------------------|
| Phosphoric acid | EC | 1 | 2 | - | Directive 2000/39/EC |

Derived no-effect level (DNEL) for workers:

| Chemical name | Route of exposure | DNEL, short-term | | DNEL, long-term | |
|-----------------|-------------------|---------------------|-----------------|---------------------|-----------------|
| | | Local effect | Systemic effect | Local effect | Systemic effect |
| Phosphoric acid | Inhalation | 2 mg/m ³ | | 1 mg/m ³ | |

Derived no-effect level (DNEL) for consumers:

| Chemical name | Route of exposure | DNEL, short-term | | DNEL, long-term | |
|-----------------|-------------------|------------------|-----------------|------------------------|-----------------|
| | | Local effect | Systemic effect | Local effect | Systemic effect |
| Phosphoric acid | Inhalation | | | 0,73 mg/m ³ | |

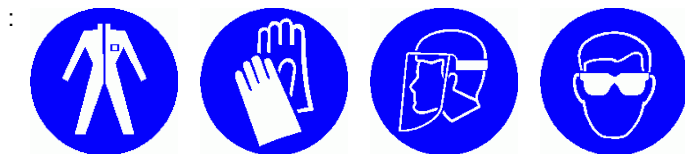
8.2. Exposure controls

Engineering measures : Comply with standard precautionary measures for working with chemicals.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.



Body protection : Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: neoprene. Indication of permeation breakthrough time: 6 hours.

Respiratory protection : Take care of sufficient ventilation.

Hand protection : Wear appropriate safety gloves in accordance with EN 374. Suitable material: neoprene. ± 0,5 mm. Indication of permeation breakthrough time: 6 hours.

Eye protection : Wear a face shield or appropriate safety glasses with side shields, in accordance with EN 166.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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9.1. Information on basic physical and chemical properties

| | | |
|---|-----------------------|---|
| Physical state | : Liquid. | |
| Colour | : Colourless. | |
| Odour | : Odourless. | |
| Odour threshold | : Not applicable. | Odourless. |
| pH | : 1 | |
| Acid reserve (g NaOH/100 ml) | : 30,24 | |
| Corrosion rate on metals (55°C) | : > 6,25 mm per year. | |
| Solubility in water | : Soluble. | |
| Partition coefficient (n-octanol/water) | : Not applicable. | Contains surfactants. The O/W system emulsifies. Not measured. Not relevant for mixtures. |
| Flash point | : Not applicable. | Does not contain combustible substances. |
| Flammability (solid, gas) | : Not applicable. | Liquid. |
| Auto ignition temperature | : > 300 °C | |
| Boiling point/boiling range | : 100 °C | |

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Melting point/melting range : < 0 °C
Explosive properties : Not an explosive.
Explosion limits (% in air) : Not applicable.
Oxidising properties : Not applicable. Does not contain oxidizing substances.
Decomposition temperature : Not applicable.
Viscosity (20°C) : Not known.
Viscosity (40°C) : 1 mm²/sec
Vapour pressure (20°C) : 2300 Pa
Relative vapour density : Not relevant. The solvent content of this product is less than 1%.
Relative density (20°C) : 1,15 g/ml
Particle characteristics : Not applicable. Liquid.

9.2. Other information

Other information : Not relevant.

SECTION 10 STABILITY AND REACTIVITY

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10.1. Reactivity

Reactivity : See sub-sections below.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : Reacts vigorously in contact with alkalines. Strong heat development possible. Reacts with metals.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : Keep away from bases.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION

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

No toxicological research has been carried out on this product.

Inhalation

Acute toxicity : Calculated LC50: no data mg/l. Ingredients of unknown toxicity: < 1 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met.
Corrosion/irritation : Corrosive. May cause sore throat and coughing. May cause pulmonary oedema. Symptoms of pulmonary oedema often manifest after several hours.
Sensitisation : Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met.
Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

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Skin contact

- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 5000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Corrosive. May cause redness, pain and burns (blisters).
- Sensitisation : Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Eye contact

- Corrosion/irritation : Corrosive. Risk of serious damage to eyes.

Ingestion

- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Not classified - based on available data, the classification criteria are not met.
- Aspiration : Not classified - based on available data, the classification criteria are not met. Does not contain substances with an aspiration hazard.
- Corrosion/irritation : Corrosive. May cause burning pain in throat and mouth. May cause a feeling of sickness, stomachache, vomiting and diarrhoea.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
- Reprotoxicity : Development: Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

| Chemical name | Property | | Method | Test animal |
|-----------------|--------------------------------|------------------|-------------|------------------------|
| Phosphoric acid | Genotoxicity - in vitro | Not genotoxic | OECD 476 | Mouse |
| | NOAEL (development) - estimate | > 370 mg/kg.d | | |
| | LC50 (inhalation) - estimate | 3846 mg/m3 | Read across | Rat |
| | NOAEL (fertility, oral) | > 500 mg/kg bw/d | OECD 422 | Rat |
| | LD50 (oral) | 1530 mg/kg bw | ----- | Rat |
| | LD50 (dermal) | 2740 mg/kg bw | ----- | Rabbit |
| | Skin irritation | Corrosive. | | Rabbit |
| | Eye irritation - estimate | Corrosive. | | |
| | Skin sensitisation - estimate | Not sensitizing | | |
| | NOAEL (oral) | 250 mg/kg bw/d | OECD 422 | Rat |
| | Mutagenicity | Negative | OECD 471 | Salmonella typhimurium |

11.2. Information on other hazards

- Endocrine disrupting properties : This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.
- Other information : Not applicable.

SECTION 12 ECOLOGICAL INFORMATION

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12.1. Toxicity

No ecotoxicological research has been carried out on this product.

- Ecotoxicity : Calculated LC50 (fish): 3897 mg/l. Calculated EC50 (waterflea): 366 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met.

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12.2. Persistence and degradability

Persistence – degradability : No specific information known. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : If product enters soil, it will be highly mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment : Does not contain PBT or vPvB substances.

12.6. Endocrine disrupting properties

Endocrine disrupting properties : This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

12.7. Other adverse effects

Other adverse effects : Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.

Additional warning : None.

Waste water discharge : Do not dispose of into the environment, drains, sewers or water courses.

European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

SECTION 14 TRANSPORT INFORMATION

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14.1. UN number or ID number

UN nr. : UN 1805

14.2. UN proper shipping name

Transport name : PHOSPHORIC ACID, SOLUTION

Transport name (IMDG, IATA) : PHOSPHORIC ACID, SOLUTION

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : 8

Classification code : C1

Packaging group : III

Danger label : 8

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Tunnel restriction
code : E



Other information : Not intended for carriage by tank-vessels on inland waterways.

IMDG (sea)

Class : 8
Packaging group : III
EmS (fire / spill) : F - A / S - B
Marine pollutant : No

IATA (air)

Class : 8
ERG code : 8L

14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

14.7. Maritime transport in bulk according to IMO instruments

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

SECTION 15 REGULATORY INFORMATION

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

Community regulations : Regulation (EU) No 2020/878 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations. Regulation (EC) No 648/2004 (detergents). Directive 2008/98/EC (waste).

15.2. Chemical safety assessment

Chemical safety
assessment : Not applicable.

SECTION 16 OTHER INFORMATION

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16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2020/878 dated 18 June 2020 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE : Acute Toxicity Estimate

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| | |
|-----------|--|
| CLP | : Classification, Labeling & Packaging |
| CMR | : Carcinogenic, Mutagenic or toxic for Reproduction |
| EEC | : European Economic Community |
| GHS | : Globally Harmonized System of Classification and Labelling of Chemicals |
| IATA | : International Air Transport Association |
| IBC code | : International Bulk Chemical Code |
| IMDG | : International Maritime Dangerous Goods Code |
| LD50/LC50 | : Lethal Dose/Concentration for 50% of a population |
| MAC | : Maximum Allowable Concentration |
| MARPOL | : International Convention for the Prevention of Pollution From Ships |
| NO(A)EL | : No Observed (Adverse) Effect Level |
| OECD | : Organisation for Economic Co-operation and Development |
| PBT | : Persistent, Bioaccumulative and Toxic |
| PC | : Chemical product category |
| PT | : Product type |
| REACH | : Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | : Regulations concerning the International Carriage of Dangerous Goods by Rail |
| STP | : Sewage Treatment Plant |
| SU | : Sector of Use |
| TWA/STEL | : Time-Weighted Average/Short Term Exposure Limit |
| UN | : United Nations |
| UFI | : Unique formula identifier |
| VOC | : Volatile Organic Compounds |
| vPvB | : Very Persistent and Very Bioaccumulative |

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

| | |
|--------------|-----------------------|
| Skin Corr. 1 | : Expert judgement. |
| Eye Dam. 1 | : Expert judgement. |
| Met. Corr. 1 | : Bridging principle. |

Full text of hazard classes mentioned in section 3:

| | |
|-------------------|------------------------------------|
| Skin Corr. 1A/B/C | : Skin corrosive, category 1A/B/C. |
| Eye Dam. 1 | : Serious eye damage, category 1. |
| Met. Corr. 1 | : Corrosive to metals, category 1. |

Full text of H-phrases mentioned in section 3:

| | |
|------|--|
| H290 | May be corrosive to metals. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |

Advice on any training appropriate for workers: none.

| | |
|-------------------------|-----------------------------------|
| Country / Language code | : GB / EN |
| Number format | : ", " used as decimal separator. |

End of safety data sheet.