

**Colour stock standard solution 500 A.P.H.A. units**

Revision: 10.06.2025

Product code: AC18.05051

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Colour stock standard solution 500 A.P.H.A. units

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

Reagents and laboratory chemicals

Only for laboratory and analysis purposes.

**Uses advised against**

Do not use for private purposes (household).

**1.3. Details of the supplier of the safety data sheet****Details of the supplier of the safety data sheet**

|                         |                                       |
|-------------------------|---------------------------------------|
| Company name:           | AnalytiChem Services, Unipessoal, Lda |
| Street:                 | Rua de Júlio Dinis 676 7º             |
| Place:                  | N-4050-320 Porto                      |
| Telephone:              | +351 226002917                        |
| E-mail:                 | info@analytichem.com                  |
| Contact person:         | SDS service department                |
| E-mail:                 | SDS@analytichem.com                   |
| Internet:               | www.analytichem.com                   |
| Responsible Department: | SDS service department                |

**Supplier or manufacturer details**

|                         |   |
|-------------------------|---|
| Company name:           | AnalytiChem Belgium NV  |
| Street:                 | Industriezone "De Arend" 2  |
| Place:                  | B-8210 Zedelgem   |
| Telephone:              | +32 50 28 83 20   |
| E-mail:                 | info.be@analytichem.com   |
| Contact person:         | SDS service department  |
| E-mail:                 | SDS@analytichem.com   |
| Responsible Department: | AnalytiChem:<br>EU-Belgium: AnalytiChem Belgium, Industriezone "De Arend" 2, 8210 Zedelgem,<br>Belgium, +32 50 28 83 20<br>EU-Germany: AnalytiChem Germany, Stempelstrasse 6, 47167 Duisburg,<br>Germany, +49 203 51 94 – 200<br>EU-Netherlands: AnalytiChem Netherlands, Communicatieweg 7, 3641 SG<br>Mijdrecht, The Netherlands, +31 297 286848<br>UK: AnalytiChem UK, Unit 7 Launton Business Center, Murdock Road, Bicester,<br>OX26 4XB, England, +44 1869 355 500<br>USA: AnalytiChem USA, 227 China Road, Winslow, Maine, 04901, United States,<br>+1 800-244-8378<br>Canada: AnalytiChem Canada, 21800 Clark Graham Avenue, Baie d'Urfe, H9X<br>4B6, Canada, +1 514-457-0701<br>Australia: ORE Research & Exploration Pty Ltd, 37A Hosie Street, Bayswater<br>North, 3153, Australia, +61 3 9729 0333<br>+44 20 3807 3798 (CHEMTREC) |

**1.4. Emergency telephone****number:****Further Information**

inapplicable, this product is a mixture REACH registration number see section 3

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**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Met. Corr. 1; H290

Carc. 1B; H350i

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****Regulation (EC) No 1272/2008****Hazard components for labelling**

Cobalt(II) chloride hexahydrate

**Signal word:** Danger**Pictograms:****Hazard statements**

|        |   |
|--------|---|
| H290   | May be corrosive to metals.   |
| H350i  | May cause cancer by inhalation.   |
| H412   | Harmful to aquatic life with long lasting effects.                          |
| EUH208 | Contains dipotassium hexachloroplatinate. May produce an allergic reaction. |

**Precautionary statements**

|           |   |
|-----------|---|
| P201      | Obtain special instructions before use.   |
| P273      | Avoid release to the environment.   |
| P280      | Wear protective gloves/protective clothing and eye protection/face protection.  |
| P308+P313 | IF exposed or concerned: Get medical advice/attention.                          |
| P390      | Absorb spillage to prevent material damage.                                     |
| P501      | Dispose of contents/container to an appropriate recycling or disposal facility. |

**Special labelling**

Restricted to professional users.

**2.3. Other hazards**

No data available

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Mixtures in aqueous solution

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## Relevant ingredients

| CAS No     | Chemical name   |              |                  | Quantity  |
|------------|---|--------------|------------------|-----------|
|            | EC No   | Index No     | REACH No         |           |
|            | Classification (Regulation (EC) No 1272/2008)   |              |                  |           |
| 7647-01-0  | Hydrochloric acid   |              |                  | 1 - < 5 % |
|            | 231-595-7   | 017-002-01-X | 01-2119484862-27 |           |
|            | Met. Corr. 1, Skin Corr. 1B, Eye Dam. 1, STOT SE 3; H290 H314 H318 H335   |              |                  |           |
| 16921-30-5 | dipotassium hexachloroplatinate   |              |                  | < 1 %     |
|            | 240-979-3   | 078-007-00-3 |                  |           |
|            | Acute Tox. 3, Eye Dam. 1, Resp. Sens. 1, Skin Sens. 1; H301 H318 H334 H317  |              |                  |           |
| 7791-13-1  | Cobalt(II) chloride hexahydrate   |              |                  | < 0.1 %   |
|            | 231-589-4   | 027-004-00-5 | 01-2119517584-37 |           |
|            | Carc. 1B, Muta. 2, Repr. 1B, Acute Tox. 4, Resp. Sens. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H350i H341 H360F H302 H334 H317 H400 H410 |              |                  |           |

Full text of H and EUH statements: see section 16.

## Specific Conc. Limits, M-factors and ATE

| CAS No     | EC No  | Chemical name                   | Quantity  |
|------------|--|---------------------------------|-----------|
|            | Specific Conc. Limits, M-factors and ATE   |                                 |           |
| 7647-01-0  | 231-595-7  | Hydrochloric acid               | 1 - < 5 % |
|            | Skin Corr. 1B; H314: >= 25 - 100 Skin Irrit. 2; H315: >= 10 - < 25 Eye Irrit. 2; H319: >= 10 - < 25 STOT SE 3; H335: >= 10 - 100             |                                 |           |
| 16921-30-5 | 240-979-3  | dipotassium hexachloroplatinate | < 1 %     |
|            | oral: LD50 = 195 mg/kg   |                                 |           |
| 7791-13-1  | 231-589-4  | Cobalt(II) chloride hexahydrate | < 0.1 %   |
|            | dermal: LD50 = > 2000 mg/kg; oral: LD50 = 537 mg/kg Carc. 1B; H350i: >= 0,01 - 100 Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=10 |                                 |           |

## Further Information

No data available

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

## General information

First aider: Pay attention to self-protection!

## After inhalation

Provide fresh air.

Call a physician immediately.

## After contact with skin

Wash immediately with: Water

Take off immediately all contaminated clothing and wash it before reuse.

Call a physician immediately.

## After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Remove contact lenses, if present and easy to do. Continue rinsing.

Protect uninjured eye.

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**After ingestion**

Rinse mouth immediately and drink plenty of water.  
Call a physician immediately.

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

Irritant  
Allergic reactions  
Gastrointestinal complaints

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

No data available

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

no restriction

**5.2. Special hazards arising from the substance or mixture**

Non-combustible liquids  
Hazardous combustion products  
In case of fire may be liberated:  
Metal oxide smoke, toxic  
Hydrogen chloride (HCl)

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.  
In case of fire and/or explosion do not breathe fumes.  
Avoid contact with skin, eyes and clothes.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
Move undamaged containers from immediate hazard area if it can be done safely.  
Use water spray jet to protect personnel and to cool endangered containers.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Corrosive to metals.

**For non-emergency personnel**

Provide adequate ventilation.  
Use personal protection equipment.  
Avoid contact with skin, eyes and clothes.  
Remove persons to safety.  
Emergency procedures  
Consult an expert  
Do not breathe dust/fume/gas/mist/vapours/spray.

**For emergency responders**

Precautionary statements For emergency responders : Personal protection equipment: see section 8

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up**

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**For containment**

Cover drains.  
Prevent spread over a wide area (e.g. by containment or oil barriers).  
Collect in closed and suitable containers for disposal.  
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**For cleaning up**

Clean contaminated articles and floor according to the environmental legislation.

**Other information**

Provide adequate ventilation.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid exposure - obtain special instructions before use.  
Read label before use. Handle and open container with care.  
When using do not eat, drink, smoke, sniff. Use personal protection equipment.  
Provide adequate ventilation. Avoid contact with skin, eyes and clothes.  
Do not breathe vapour/aerosol. If handled uncovered, arrangements with local exhaust ventilation have to be used.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

**Advice on general occupational hygiene**

Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately.  
Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. Avoid: aerosol or mist formation Do not breathe vapour/aerosol.

**Further information on handling**

Draw up and observe skin protection programme.  
Wash hands and face before breaks and after work and take a shower if necessary.  
Take off immediately all contaminated clothing and wash it before reuse.  
If handled uncovered, arrangements with local exhaust ventilation have to be used.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Store in a well-ventilated place. Keep container tightly closed.  
Store in a place accessible by authorized persons only.

**Hints on joint storage**

National regulatory information

**Further information on storage conditions**

Store in a dry place.

**7.3. Specific end use(s)**

Laboratory chemicals

**SECTION 8: Exposure controls/personal protection**

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**8.1. Control parameters****Exposure limits (EH40)**

| CAS No    | Substance                                 | ppm    | mg/m <sup>3</sup> | fibres/ml | Category                   | Origin     |
|-----------|---|--------|-------------------|-----------|----------------------------|------------|
| 7647-01-0 | Hydrogen chloride (gas and aerosol mists) | 1<br>5 | 2<br>8            |           | TWA (8 h)<br>STEL (15 min) | WEL<br>WEL |

**DNEL/DMEL values**

| CAS No    | Substance                       | Exposure route | Effect   | Value                |
|-----------|---------------------------------|----------------|----------|----------------------|
| 7647-01-0 | Hydrochloric acid               |                |          |                      |
|           | Worker DNEL, long-term          | inhalation     | local    | 8 mg/m <sup>3</sup>  |
|           | Worker DNEL, acute              | inhalation     | local    | 15 mg/m <sup>3</sup> |
|           | Consumer DNEL, long-term        | inhalation     | local    | 8 mg/m <sup>3</sup>  |
|           | Consumer DNEL, acute            | inhalation     | local    | 15 mg/m <sup>3</sup> |
| 7791-13-1 | Cobalt(II) chloride hexahydrate |                |          |                      |
|           | Consumer DNEL, long-term        | oral           | systemic | 0,12 mg/kg<br>bw/day |

**PNEC values**

| CAS No     | Substance  | Environmental compartment | Value         |
|------------|--|---------------------------|---------------|
| 16921-30-5 | dipotassium hexachloroplatinate                  |                           |               |
|            | Freshwater                                       |                           | 0,00014 mg/l  |
|            | Freshwater (intermittent releases)               |                           | 0,000205 mg/l |
|            | Marine water                                     |                           | 0,000017 mg/l |
|            | Freshwater sediment                              |                           | 0,261 mg/kg   |
|            | Marine sediment                                  |                           | 0,026 mg/kg   |
|            | Micro-organisms in sewage treatment plants (STP) |                           | 0,125 mg/l    |
|            | Soil   |                           | 0,005 mg/kg   |
| 7791-13-1  | Cobalt(II) chloride hexahydrate                  |                           |               |
|            | Freshwater                                       |                           | 0,0006 mg/l   |
|            | Marine water                                     |                           | 0,00236 mg/l  |
|            | Freshwater sediment                              |                           | 9,5 mg/kg     |
|            | Marine sediment                                  |                           | 9,5 mg/kg     |
|            | Micro-organisms in sewage treatment plants (STP) |                           | 0,37 mg/l     |
|            | Soil   |                           | 10,9 mg/kg    |

**8.2. Exposure controls****Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

goggles

Wear eye/face protection.

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**Hand protection**

Wear suitable gloves. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Wear suitable protective clothing. Take off immediately all contaminated clothing.

Wash hands before breaks and after work.

The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of protective agents must be clarified with their suppliers.

**Respiratory protection**

Respiratory protection necessary at: aerosol or mist formation

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

**Thermal hazards**

No data available

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|  |                     |
|--|---------------------|
| Physical state:  | Liquid              |
| Colour:  | red                 |
| Odour:   | odourless           |
| Odour threshold:   | No data available   |
| Melting point/freezing point:                                | No data available   |
| Boiling point or initial boiling point and<br>boiling range: | No data available   |
| Flammability:  | No data available   |
| Lower explosion limits:                                      | No data available   |
| Upper explosion limits:                                      | No data available   |
| Flash point:   | No data available   |
| Auto-ignition temperature:                                   | No data available   |
| Decomposition temperature:                                   | No data available   |
| pH-Value:  | <1                  |
| Viscosity / kinematic:                                       | No data available   |
| Water solubility:  | completely miscible |
| Solubility in other solvents                                 |                     |
| No data available  |                     |
| Dissolution rate:  | No data available   |
| Partition coefficient n-octanol/water:                       | No data available   |
| Dispersion stability:  | No data available   |
| Vapour pressure:   | No data available   |
| Vapour pressure:   | No data available   |
| Density:   | No data available   |
| Relative density:  | No data available   |
| Bulk density:  | No data available   |
| Relative vapour density:                                     | No data available   |
| Particle characteristics:                                    | No data available   |

**9.2. Other information**

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**Information with regard to physical hazard classes**

Explosive properties

No data available

Sustained combustibility:

No data available

Self-ignition temperature

Solid:

No data available

Gas:

No data available

Oxidizing properties

Oxidizing

**Other safety characteristics**

Evaporation rate:

No data available

Solvent separation test:

No data available

Solvent content:

0%

Solid content:

0%

Sublimation point:

No data available

Softening point:

No data available

Pour point:

No data available

No data available:

No data available

Viscosity / dynamic:

No data available

Flow time:

No data available

**Further Information**

Corrosive to metals

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Corrosive to metals

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No data available

**10.4. Conditions to avoid**

No data available

**10.5. Incompatible materials**

Metal

**10.6. Hazardous decomposition products**

In case of fire may be liberated:

SECTION 5: Firefighting measures

**Further information**

No data available

**SECTION 11: Toxicological information****11.1. Information on hazard classes****Toxicokinetics, metabolism and distribution**

There are no data available on the mixture itself.

**Acute toxicity**

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

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**ATEmix calculated**

ATE (oral) > 5000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No     | Chemical name                   |               |         |        |  |
|------------|---------------------------------|---------------|---------|--------|--|
|            | Exposure route                  | Dose          | Species | Source | Method   |
| 16921-30-5 | dipotassium hexachloroplatinate |               |         |        |  |
|            | oral                            | LD50<br>mg/kg | 195     | Rat    | Study report (1995)<br>OECD Guideline 401                        |
| 7791-13-1  | Cobalt(II) chloride hexahydrate |               |         |        |  |
|            | oral                            | LD50<br>mg/kg | 537     | Rat    | Revista Española de<br>Fisiología, 39: 291<br>OECD Guideline 401 |
|            | dermal                          | LD50<br>mg/kg | > 2000  | Rat    | Study report (2007)<br>OECD Guideline 402                        |

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

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

Contains dipotassium hexachloroplatinate. May produce an allergic reaction.

**Carcinogenic/mutagenic/toxic effects for reproduction**

May cause cancer by inhalation. (Cobalt(II) chloride hexahydrate)

Germ cell mutagenicity: 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.

**Specific effects in experiment on an animal**

There are no data available on the mixture itself.

**Additional information on tests**

There are no data available on the mixture itself.

**Practical experience**

There are no data available on the mixture itself.

**11.2. Information on other hazards****Endocrine disrupting properties**

There are no data available on the mixture itself.

**Other information**

There are no data available on the mixture itself.

**Further information**

There are no data available on the mixture itself.

**SECTION 12: Ecological information****12.1. Toxicity**

Harmful to aquatic life with long lasting effects.

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| CAS No     | Chemical name                   |                   |           |  |  |  |
|------------|---------------------------------|-------------------|-----------|--|--|--|
|            | Aquatic toxicity                | Dose              | [h]   [d] | Species  | Source                                   | Method                                   |
| 7647-01-0  | Hydrochloric acid               |                   |           |  |  |  |
|            | Acute fish toxicity             | LC50 862 mg/l     | 96 h      | Leuciscus idus                                     |  |  |
| 16921-30-5 | dipotassium hexachloroplatinate |                   |           |  |  |  |
|            | Acute fish toxicity             | LC50 76,55 mg/l   | 96 h      | Oncorhynchus mykiss                                | Study report (2005)                      | OECD Guideline 203                       |
|            | Acute algae toxicity            | ErC50 1,3 mg/l    | 72 h      | Desmodesmus subspicatus                            | Study report (2001)                      | OECD Guideline 201                       |
|            | Acute crustacea toxicity        | EC50 0,0608 mg/l  | 48 h      | Daphnia magna                                      | Study report (2005)                      | OECD Guideline 202                       |
|            | Crustacea toxicity              | NOEC 0,007 mg/l   | 21 d      | Daphnia magna                                      | J. Fish. Res. Bd. Canada 29: 1691-1700 ( | A standard guideline was not followed, b |
|            | Acute bacteria toxicity         | EC50 103 mg/l ( ) | 3 h       | activated sludge of a predominantly domestic sewag | Study report (2015)                      | OECD Guideline 209                       |
| 7791-13-1  | Cobalt(II) chloride hexahydrate |                   |           |  |  |  |
|            | Acute fish toxicity             | LC50 54,1 mg/l    | 96 h      | Pimephales promelas                                | Study report (2009)                      | other: ASTM guideline                    |
|            | Acute algae toxicity            | ErC50 71,314 mg/l | 96 h      | Dunaliella tertiolecta                             | Study report (2010)                      | other: American Society for Testing and  |
|            | Acute crustacea toxicity        | EC50 42,7 mg/l    | 48 h      | Aeolosoma sp.                                      | Study report (2008)                      | Newman, J.P., Jr. 1975. The effects of h |
|            | Fish toxicity                   | NOEC 0,21 mg/l    | 34 d      | Pimephales promelas                                | Study report (2009)                      | other: This study was conducted accordin |
|            | Algae toxicity                  | NOEC 0,0018 mg/l  | 7 d       | Champia parvula                                    | Study report - model refit from original | other: EPA 821-R-02-014, Method 1009.0   |
|            | Crustacea toxicity              | NOEC 0,1697 mg/l  | 14 d      | Aeolosoma sp.                                      | Study report (2008)                      | other: Newman, J.P., Jr. 1975. The effec |
|            | Acute bacteria toxicity         | EC50 120 mg/l ( ) | 0,5 h     | Activated sludge                                   | Study report (2010)                      | OECD Guideline 209                       |

**12.2. Persistence and degradability**

The methods for determining the biological degradability are not applicable to inorganic substances.

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**BCF**

| CAS No    | Chemical name                   | BCF | Species         | Source               |
|-----------|---------------------------------|-----|-----------------|----------------------|
| 7791-13-1 | Cobalt(II) chloride hexahydrate | 23  | Asterias rubens | Marine Pollution Bul |

**12.4. Mobility in soil**

There are no data available on the mixture itself.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

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**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

Discharge into the environment must be avoided.  
Harmful effect due to pH shift.  
Forms corrosive mixtures with water even if diluted.

**Further information**

Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.  
Send to a physico-chemical treatment facility under observation of official regulations.  
Do not empty into drains.

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

|   |   |
|---|---|
| <b><u>14.1. UN number or ID number:</u></b>     | UN 3264   |
| <b><u>14.2. UN proper shipping name:</u></b>    | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric acid) |
| <b><u>14.3. Transport hazard class(es):</u></b> | 8   |
| <b><u>14.4. Packing group:</u></b>              | III   |
| Hazard label:                                   | 8   |
| Classification code:                            | C1  |
| Special Provisions:                             | 274   |
| Limited quantity:                               | 5 L   |
| Excepted quantity:                              | E1  |
| Transport category:                             | 3   |
| Hazard No:                                      | 80  |
| Tunnel restriction code:                        | E   |

**Inland waterways transport (ADN)**

|   |   |
|---|---|
| <b><u>14.1. UN number or ID number:</u></b>     | UN 3264   |
| <b><u>14.2. UN proper shipping name:</u></b>    | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric acid) |
| <b><u>14.3. Transport hazard class(es):</u></b> | 8   |
| <b><u>14.4. Packing group:</u></b>              | III   |
| Hazard label:                                   | 8   |
| Classification code:                            | C1  |
| Special Provisions:                             | 274   |
| Limited quantity:                               | 5 L   |
| Excepted quantity:                              | E1  |

**Marine transport (IMDG)**

|   |   |
|---|---|
| <b><u>14.1. UN number or ID number:</u></b>     | UN 3264   |
| <b><u>14.2. UN proper shipping name:</u></b>    | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric acid) |
| <b><u>14.3. Transport hazard class(es):</u></b> | 8   |
| <b><u>14.4. Packing group:</u></b>              | III   |
| Hazard label:                                   | 8   |
| Special Provisions:                             | 223, 274  |

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Limited quantity: 5 L  
Excepted quantity: E1  
EmS: F-A, S-B

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number or ID number:** UN 3264  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric acid)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8  
Special Provisions: A3 A803  
Limited quantity Passenger: 1 L  
Passenger LQ: Y841  
Excepted quantity: E1  
IATA-packing instructions - Passenger: 852  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 856  
IATA-max. quantity - Cargo: 60 L

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):  
Entry 3, Entry 75

**National regulatory information****SECTION 16: Other information****Abbreviations and acronyms**

Met. Corr. 1: Corrosive to metals, hazard category 1  
Acute Tox. 3: Acute toxicity, hazard category 3  
Acute Tox. 4: Acute toxicity, hazard category 4  
Skin Corr. 1B: Skin corrosion, sub-category 1B  
Eye Dam. 1: Serious eye damage, hazard category 1  
Resp. Sens. 1: Respiratory sensitisation, hazard category 1  
Skin Sens. 1: Skin sensitisation, hazard category 1  
Muta. 2: Germ cell mutagenicity, hazard category 2  
Carc. 1B: Carcinogenicity, hazard category 1B  
Repr. 1B: Reproductive toxicity, hazard category 1B  
STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3  
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1  
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1  
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3

**Classification for mixtures and used evaluation method**

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Met. Corr. 1; H290      | On basis of test data    |
| Carc. 1B; H350i         | Calculation method       |
| Aquatic Chronic 3; H412 | Calculation method       |

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**Relevant H and EUH statements (number and full text)**

|        |   |
|--------|---|
| H290   | May be corrosive to metals.   |
| H301   | Toxic if swallowed.   |
| H302   | Harmful if swallowed.   |
| H314   | Causes severe skin burns and eye damage.                                    |
| H317   | May cause an allergic skin reaction.  |
| H318   | Causes serious eye damage.  |
| H334   | May cause allergy or asthma symptoms or breathing difficulties if inhaled.  |
| H335   | May cause respiratory irritation.   |
| H341   | Suspected of causing genetic defects.                                       |
| H350i  | May cause cancer by inhalation.   |
| H360F  | May damage fertility.   |
| H400   | Very toxic to aquatic life.   |
| H410   | Very toxic to aquatic life with long lasting effects.                       |
| H412   | Harmful to aquatic life with long lasting effects.                          |
| EUH208 | Contains dipotassium hexachloroplatinate. May produce an allergic reaction. |

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations. Provide appropriate information, instructions and training to users

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*