

**AQUAMARINE CHEMICALS**  
**PRODUCT SAFETY DATA SHEET**  
(According to Regulation (EC) No. 453/2010)

**1. Identification of the substance/mixture & of the company/undertaking**

**1.1 Product Identifier**

Trade Name : **Aquasteel Rust Converter**

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

Use of the : Metal Treatment/Rust Neutraliser

Substance/Mixture

Recommended restrictions : At this time we do not have information on restrictions.  
on use They will be included when available.

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

Company: Aquamarine Chemicals, 2 Duddage Manor Business Park, Twyning, Glos. GL20 6BY. Tel: 01684 290077

**1.4 Emergency telephone number**

Emergency phone number : (Office hours only): 01684 290077

**2. Hazards Identification.**

**2.1 Classification of the substance or mixture**

**Classification according to EU Directive 1999/45/EC**

Hazard Symbol/Category of danger Risk Phrases  
None None

**Classification according to Regulation (EC) No 1272/2008**

Refer to Section 16.

For the wording of the listed R phrases or H statements, refer to section 16.

**2.2 Label elements Labelling according to EU Directive 1999/45/EC**

Safety Phrases S2: Keep out of reach of children.  
S24/25: Avoid contact with skin and eyes

**Labelling according to Regulation (EC) No 1272/2008**

Refer to Section 16.

**2.3 Other hazards- Non classified ingredients - Polymer emulsion**

**Concentration: 95%**

**CAS Number: Not applicable**

**EC Number: Not applicable**

**R/H Phrases: Not applicable**

**Symbols: Not applicable**

**Categories: Not applicable**

No other information is available

**3. Composition/Information on Ingredients.**

**3.2 Mixtures**

| <b>Ingredient Name</b>                  | <b>Identifiers</b>                 | <b>Classification<br/>67/548/EEC</b>         | <b>Classification<br/>EC/1272/2008</b>                       | <b>Concentration<br/>Range</b> |
|---|------------------------------------|--|--|--------------------------------|
| Dipropylene glycol<br>Mono methyl ether | EC – 252-104-2<br>CAS – 34590-94-8 | None   | None   | 1-5%                           |
| Propan-2-ol                             | EC – 200-661-7<br>CAS – 67-63-0    | Highly Flammable<br>R11<br>Irritant R36, R67 | Flam Liquid 2 H225<br>Eye Irritation 2 H319<br>STOT SE3 H336 | 1-5%                           |

For the wording of the listed R phrases or H statements, refer to section 16.

**- Non classified ingredients - Polymer emulsion**

**Concentration: 95%**

**CAS Number: Not applicable**

**EC Number: Not applicable**

**R/H Phrases: Not applicable**

**Symbols: Not applicable**

**Categories: Not applicable**

**4. First Aid Measures.**

**4.1 Description of first aid measures**

**Eye Contact:** Flush with plenty of clean water for at least 15 minutes. If irritation persists obtain medical attention.

**Skin Contact:** Wash off with water. The application of skin reconditioning (emollient) cream can be beneficial.

**Inhalation:** Remove to fresh air. If symptoms persist, seek medical advice.

**Ingestion:** Milk or water to drink may be beneficial. Do not induce vomiting. Call for medical advice.

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

No further information available

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

Treatment: Treat symptomatically

**5. Fire Fighting Measures:**

**5.1 Extinguishing Media**

Suitable Extinguishing Media : Small fires use Dry Powder or carbon Di-Oxide extinguishers. Large fires use Foam or Water spray.

Unsuitable Extinguishing Media : None

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

Not classed as flammable. Spray containers adjacent to fires to keep cool and avoid bursting.

**5.3 Advice for fire fighters**

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

**6. Accidental Release Measures.**

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

**6.2 Environmental precautions**

Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

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

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent. Use only in well ventilated areas.

**6.4 Reference to other sections**

For personal protection refer to section 8

**7. Handling and Storage.**

**7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Keep in tightly closed containers. Take note of emission threshold.

**7.2 Conditions for safe storage, including any incompatibilities** Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs.

**7.3 Specific end uses** - To be used as a metal treatment and primer.

## **8. Exposure Controls/Personal Protection.**

### **8.1 Control parameters**

| <u>Ingredient Name</u>                |     | <u>8hr TWA</u> | <u>15min STEL</u> |
|---------------------------------------|-----|----------------|-------------------|
| Propan-2-ol                           | WEL | 400ppm         | 500ppm            |
| Di-propylene glycol mono-methyl ether | WEL | 50ppm (sk)     |                   |

### **8.2 Exposure controls**

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided.

Eyes: Chemical eye goggles should be worn.

Hand: PVC or rubber gloves are recommended.

Skin: Use protective clothing. Remove contaminated clothing and wash with soap and water.

### **8.2.3 Environmental exposure controls**

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

## **9. Physical and Chemical Properties.**

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

|   |                     |
|---|---------------------|
| <b>Appearance:</b>                                | Milky White Fluid   |
| <b>Odour:</b>                                     | Bland               |
| <b>Odour Threshold:</b>                           | Not determined      |
| <b>pH 5% in water:</b>                            | Not determined      |
| <b>Freezing Point:</b>                            | Not determined      |
| <b>Initial Boiling Point &amp; Boiling Range:</b> | Not determined      |
| <b>Flash Point:</b>                               | Not determined      |
| <b>Flammability:</b>                              | Non flammable       |
| <b>Evaporation rate:</b>                          | Not determined      |
| <b>Upper/Lower Flammability Limits:</b>           | Not determined      |
| <b>Vapour Pressure:</b>                           | Not determined      |
| <b>Vapour Density:</b>                            | (Water=100) >1      |
| <b>Relative Density:</b>                          | 1.18 typical @ 20°C |
| <b>Solubility:</b>                                | Soluble in water    |
| <b>Partition Coefficient (Oct/Water):</b>         | Not determined      |
| <b>Auto Ignition Temperature:</b>                 | Not determined      |
| <b>Decomposition Temperature:</b>                 | Not determined      |
| <b>Viscosity:</b>                                 | Not determined      |
| <b>Explosive Properties:</b>                      | Not determined      |
| <b>Oxidising Properties:</b>                      | Not applicable      |

### **9.2 Other Information**

No other information available.

## **10. Stability and Reactivity.**

### **10.1 Reactivity**

No information available

### **10.2 Chemical Stability**

No decomposition if stored and applied as directed.

### **10.3 Possibility of hazardous reactions**

No information available.

#### 10.4 Conditions to Avoid:

Avoid naked flames, hot surfaces and other high temperature sources.

#### 10.5 Incompatible materials

Strong oxidising agents, nitric acid and sulphuric acid

#### 10.6 Hazardous decomposition products

Burning will produce Carbon Monoxide and Carbon Dioxide and other compounds some of which may be toxic. Product is stable under normal conditions.

### 11. Toxicological Information.

#### 11.1 Information on toxicological effects

**Eyes:** Product is not classified as an eye irritant. Contact is likely to cause temporary irritation and stinging.

**Skin:** Product is not classified as a skin irritant. Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact with the product may lead to de-fatting of the skin and/or slight irritation.

**Inhalation:** Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems or fumes due to high temperatures may cause irritation to eyes and respiratory tract.

**Ingestion:** Ingestion of this product is not regarded as a significant health hazard, likely to arise in normal use. Swallowing of significant amounts may cause nausea, vomiting and diarrhoea.

|                 |                    |                 |             |
|-----------------|--------------------|-----------------|-------------|
| Acute Toxicity: | Propan-2-ol        | LD50 Oral (rat) | 5.280mg/kg  |
|                 | Dipropylene glycol | LD50 Oral (rat) | >5000 mg/kg |
|                 | Mono-methyl ether  |                 |             |

### 12. Ecological Information.

#### 12.1 Toxicity

|               |                    |                      |             |
|---------------|--------------------|----------------------|-------------|
| Eco-toxicity: | Propan-2-ol        | LC50 96hrs (fish)    | 9640 mg/l   |
|               |                    | EC50 48hrs (daphnia) | 13299 mg/l  |
|               | Dipropylene glycol | LC50 96hrs (fish)    | >10000 mg/l |
|               | Mono-methyl ether  |                      |             |

#### 12.2 Persistence and Degradability:

No information

#### 12.3 Bio-accumulative potential

Not expected to bio-accumulate.

#### 12.4 Mobility in soil

The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. Avoid transfer into the environment.

#### 12.5 Results of PBT and vPvB assessment

No information

#### 12.6 Other adverse effects

Not known.

### 13. Disposal Recommendations.

#### 13.1 Waste treatment methods

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

#### **14. Transport Information.**

Product is not classified as hazardous for transport.

#### **15. Regulatory Information.**

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

Safety data sheet according to Regulation (EC) No. 453/2010.

This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5.

1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments.

98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements.

1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments.

Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).

The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

##### **15.2 Chemical safety assessment**

No information at the present time.

#### **16. Other Information.**

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

| Hazard Class | Hazard Category | Hazard Statements |
|--------------|-----------------|-------------------|
| None         | None            | None              |

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

|                 |      |              |      |                    |      |
|-----------------|------|--------------|------|--------------------|------|
| Hazard Symbols: | None | Signal word: | None | Hazard Statements: | None |
|-----------------|------|--------------|------|--------------------|------|

Precautionary Statements:

General:

P102 Keep out of reach of children

Prevention:

P262 Do not get in eyes, on skin or on clothing

##### **Full text of R-phrases referred to under sections 2 & 3**

|         |  |
|---------|--|
| R11:    | Highly Flammable   |
| R21/22: | Harmful in contact with skin and if swallowed  |
| R36:    | Irritating to the eyes   |
| R38:    | Irritating to skin   |
| R41:    | Risk of serious damage to eyes   |
| R51/53: | Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment |
| R67:    | Vapours may cause drowsiness and dizziness   |

##### **Full text of H-Statements referred to under sections 2 & 3**

|       |                                    |
|-------|------------------------------------|
| H225: | Highly flammable liquid and vapour |
| H302: | Harmful if swallowed               |
| H312: | Harmful in contact with skin       |
| H315: | Causes skin irritation             |

H319: Causes serious eye irritation  
H336: May cause drowsiness or dizziness  
H411: Toxic to aquatic life with long lasting effects

#### **Training Advice**

Users should be trained in good industrial hygiene practise.

**Department issuing data specification sheet:** Health and Safety Department

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

Do not mix with other chemicals.

#### **Further Information**

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy themselves that the product is entirely suitable for his purpose.

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**Auth rw**

**REVISION 2**

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