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

#### 1.1 Product identifiers

Product name : Renaissance Metal De-Corroder

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

Identified uses : Professional rust remover

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

Company : Picreator Enterprises Limited  
44 Park View Gardens  
Hendon  
London  
NW4 2PN  
UNITED KINGDOM

Telephone : 0208 2028972  
Internet : www.picreator.co.uk

#### 1.4 Emergency telephone number

Emergency Phone # : 0208 2028972 (09:00 – 17:00 Monday to Friday)

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### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

#### 2.3 Other hazards - none

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

Renaissance Metal De-Corroder comprises an aqueous complex of hydrocarboxylic acid produced as a reaction product of triethanolamine and citric acid. Classification of the mixture is based upon consideration of the known physical properties of the mixture in accordance with Section 3.3.2.1 and 3.3.3.1 of Annex I of Regulation 1272/2008 (as amended), the CLP Regulations.

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### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### If inhaled

If vapour or mists are breathed in, move person into fresh air. If not breathing, give artificial respiration.

##### In case of skin contact

Wash off with soap and plenty of water. If irritation persists seek further medical attention.

##### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and seek further medical attention.

##### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek further medical attention.

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

To the best of our knowledge, the chemical, physical, and toxicological properties of the mixture have not been thoroughly investigated.

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

No data available.

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## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use media such as alcohol/aqueous foam, dry chemical, or carbon dioxide or water spray/fog which are suitable and appropriate for any surrounding fire.

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

Highly dependent on combustion conditions. A complex mixture of containing airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

### 5.3 Advice for firefighters

Do not breathe decomposition products and fumes. Use approved self-contained breathing apparatus. Wear fire retardant clothing. Do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. Use water spray to cool containers. Use water fog to disperse vapours and leaks that have not ignited. Prevent runoff from fire control from entering waterways. Large fires should only be dealt with by trained personnel.

### 5.4 Further information

No data available.

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## 6. ACCIDENTAL RELEASE MEASURES

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

Use suitable personal protective equipment (refer to Section 8 for details). Avoid breathing vapours or mists. Ensure adequate ventilation.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or watercourses.

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

Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

### 6.4 Reference to other sections

For disposal see section 13.

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid inhalation of vapour. Keep away from sources of ignition.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end use(s)

No data available.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with occupational exposure limits

Component	CAS No.	Reference period	Exposure Limit	Basis
White Spirit	64741-92-0	8hr TWA	500mg/m <sup>3</sup>	Recommended OEL

### 8.2 Exposure controls

#### Appropriate engineering controls

Use in well ventilated areas. Use mechanical ventilation in poorly ventilated areas.

#### Personal protective equipment

##### Eye/face Protection

Use equipment for eye protection tested and approved under appropriate standards such as EN 166.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (Continued)

### Skin Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with good practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Recommended glove types include Nitrile, Polythene and PVC gloves.

### Body Protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory Protection

Where risk assessment in accordance with the hierarchy of controls established within the Chemical Agents Directive shows a requirement for respirators as a means of control use an organic filter type A.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a) Appearance	Form: Viscous green liquid
b) Odour	Faint
c) Odour Threshold	no data available
d) pH	4
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	>93°C
h) Evaporation rate	no data available
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	1.05
n) Water solubility	Miscible in water
o) Partition coefficient: (n- octanol/water)	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	None
t) Oxidizing properties	None

### 9.2 Other safety information

No data available

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available on mixture.

### 10.2 Chemical stability

Expected to be Stable at normal temperatures and under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

High temperature (>50°C), sources of ignition & direct sunlight.

### 10.5 Incompatible materials

Strong oxidising agents.

### 10.6 Hazardous decomposition products

No hazardous decomposition products when stored and handled correctly.

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

No data available on mixture. Not expected to have any acute toxic effects.

#### Skin corrosion/irritation

No data available on mixture. Not expected to cause any acute skin corrosion or irritation in accordance with Part 3.2.3.1.2 of Annex I of the CLP Regulations.

#### Serious eye damage/eye irritation

No data available on mixture. Not expected to cause any acute eye damage or primary irritation in accordance with Part 3.2.3.1.2 of Annex I of the CLP Regulations. Mild reversible eye irritation may be possible following exposure.

#### Respiratory or skin sensitisation

No data available on mixture. Not expected to have sensitisation potential.

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity

No data available.

#### Specific target organ toxicity - single exposure

No data available on mixture. Inhalation of significant vapours or mists may cause transient respiratory irritation

#### Specific target organ toxicity - repeated exposure

No data available

#### Aspiration hazard

No data available on mixture. Not expected to pose an aspiration hazard.

#### Potential health effects

<b>Inhalation</b>	Unlikely to cause harm or irritation if inhaled in any normal conceivable use.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May cause transient skin irritation.
<b>Eyes</b>	May cause transient eye irritation.

#### Signs and Symptoms of Exposure

Contact with eyes can cause: redness, possible blurred vision, provokes tears.; Contact with skin may cause minor skin irritation and irritation/ dermatitis following prolonged and repeated contact. Ingestion may cause nausea, vomiting and severe gastric pain.

#### Additional Information

Not available.

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## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available. Not expected to be harmful to aquatic organisms.

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

Immobile solid

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

No data available

