

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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

1.1 Product identifier

| | |
|------------------------|-----------------|
| Product Name: | PSC. 2 |
| CAS No: | Not applicable. |
| EC No: | Not applicable. |
| REACH Registration No: | Not known. |

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

| | |
|-----------------------|------------|
| Identified Use(s): | Not known. |
| Uses Advised Against: | Not known. |

1.3 Details of the supplier of the safety data sheet

| | |
|-------------------------|--|
| Manufacturer | Pryor Marking Technology |
| Company Identification | Pryor Marking Technology Ltd. |
| Address of Manufacturer | Global HQ Egerton Street Sheffield UK |
| Postal code | S1 4JX |
| Telephone: | +44 (0) 114 276 6044 |
| Fax | +44 (0) 114 276 6890 |
| E-mail | info@pryormarking.com |
| Office hours | 08:30-17:00 Monday to Thursday 08:30-15:30 Friday |

| | |
|---------------------------------------|--|
| 1.4 Emergency telephone number | +44 (0)1142766044 Monday to Thursday, 08:30 - 17:30 GMT (08:30 - 15:30 Friday), English |
|---------------------------------------|--|

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No1272/2008 (CLP):

Not classified

2.2 Label elements:

According to Regulation (EC) No. 1272/2008 (CLP)

| | |
|----------------------------|--------|
| Product Name: | PSC. 2 |
| Signal Word(s): | None. |
| Hazard Statement(s): | None. |
| Precautionary Statement(s) | None. |

2.3 Other hazards: None known.

2.4 Additional Information: None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

| HAZARDOUS INGREDIENT(S) | CAS No. | EC No. / REACH Registration No. | %W/W | Hazard Statement(s) | Hazard Pictogram(s) |
|-------------------------|----------|---------------------------------|-------|--|----------------------------------|
| DL-malic acid | 617-48-1 | 210-514-9 | 1-5 | Eye Irrit. 2 H319 | GHS07 |
| citric acid | 77-92-9 | 201-069-1 | 1-5 | Eye Irrit. 2A H319 | GHS07 |
| sodium etasulfate | 126-92-1 | 204-812-8 | <0.1 | Skin Irrit. 2 H315 Eye Dam. 1 H318 | GHS07 GHS05 |
| Malachite Green | 569-64-2 | 209-322-8 | <0.01 | Acute Tox. 4 H302 Eye Dam. 1 H318 Repr. 2 H361 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 | GHS08 GHS07 GHS05 GHS09 |

For full text of H Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

| | |
|---------------|--|
| Inhalation: | Remove to fresh air. Get medical attention if any discomfort continues.. |
| Skin Contact: | Wash skin with water. |
| Eye Contact: | Immediately flush with water. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues. |
| Ingestion: | Wash out mouth with water. Do not induce vomiting. Seek medical attention if feeling unwell. |

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

None anticipated. Treat symptomatically.

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

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

| | |
|---------------------------------|--------------------------------------|
| Suitable Extinguishing media: | As appropriate for surrounding fire. |
| Unsuitable extinguishing media: | None. |

5.2 Special hazards arising from the substance or mixture:

None anticipated. Heating may cause decomposition

5.3 Advice for firefighters:

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Contain fire control water for later disposal.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

6.2 Environmental precautions:

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up:

Adsorb spillages onto sand, earth or any suitable adsorbent material.

6.4 Reference to other sections:

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Prevent large quantities of material from entering surface waters, drains and soil..

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature:

Ambient.

Storage life:

Stable under normal conditions.

Incompatible materials:

None known.

7.3 Specific end use(s):

For the electrolytic chemical etching of metals

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

None assigned

8.2 Exposure controls

8.2.1. Appropriate engineering controls:

Ensure adequate ventilation.

8.2.2. Personal protection equipment



Eye Protection:

Wear safety glasses with side protection (EN166) if contact with the eyes is likely



Skin protection:

Gloves should be worn where repeated or prolonged contact can occur.



Respiratory protection:

Normally no personal respiratory protection is necessary.

Thermal hazards:

None known.

8.2.3. Environmental Exposure Controls:

Do not release large quantities of the product into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Appearance: | Liquid. |
| | Colour : Not known. |
| Odour: | Not known. |
| Odour threshold: | Not known. |
| pH: | Not known. |
| Melting point/freezing point: | Not known. |
| Initial boiling point and boiling range: | Not known. |
| Flash Point: | Not known. |
| Evaporation rate: | Not known. |
| Flammability (solid, gas): | Not known. |
| Upper/lower flammability or explosive limits: | Not known. |
| Vapour pressure: | Not known. |
| Vapour density: | Not known. |
| Density (g/ml): | Not known. |
| Relative density: | Not known. |
| Solubility(ies): | Solubility (Water): Soluble Solubility (Other): Not known. |
| Partition coefficient: n-octanol/water: | Not known. |

Auto-ignition temperature: Not known.
Decomposition Temperature (°C): Not known.
Viscosity: Not known.
Explosive properties: Not known.
Oxidising properties: Not known.

9.2 Other information: None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion: Not classified.
Acute toxicity - Skin Contact: Not classified.
Acute toxicity - Inhalation: Not classified.
Skin corrosion/irritation: Not classified.
Serious eye damage/irritation: Not classified.
Skin sensitization data: Not classified.
Respiratory sensitization data: Not classified.
Germ cell mutagenicity: Not classified.
Carcinogenicity: Not classified.
Reproductive toxicity: Not classified.
Lactation: Not classified.
STOT - single exposure: Not classified.
STOT - repeated exposure: Not classified.
Aspiration hazard: Not classified.

11.2 Other information:

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

| | |
|-------------------------------------|--------------------------------|
| Toxicity - Aquatic invertebrates: | Low toxicity to invertebrates. |
| Toxicity - Fish: | Low toxicity to fish. |
| Toxicity - Algae: | Low toxicity to algae. |
| Toxicity - Sediment Compartment: | Not classified. |
| Toxicity - Terrestrial Compartment: | Not classified. |

12.2. Persistence and Degradation: Not known.

12.3. Bioaccumulative potential: Not known.

12.4. Mobility in soil: Not known.

12.5. Results of PBT and vPvB assessment: Not known.

12.6 Other adverse effects: Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation.

13.2 Additional Information

None

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

SECTION 15: REGULATORY INFORMATION

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

| | |
|---|------------|
| Candidate List of Substances of Very High Concern for Authorisation | Not listed |
| REACH: ANNEX XIV list of substances subject to authorisation | Not listed |
| REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | Not listed |
| Community Rolling Action Plan (CoRAP) | Not listed |
| Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants | Not listed |
| Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer | Not listed |
| Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals | Not listed |
| National regulations - Other | Not known. |

15.2 Chemical Safety Assessment:

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Full list of Hazard Statement(s):

- H302: Harmful if swallowed
- H315: Causes skin irritation
- H318: Causes serious eye damage
- H319: Causes serious eye irritation
- H361: Suspected of damaging fertility or the unborn child
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects

Precautionary Statement(s): None.

Disclaimers:

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