# SAFETY DATA SHEET

**Citric Acid Anhydrous**

According to Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, December 2011

<table>
<thead>
<tr>
<th>SECTION 1: Identification: Product identifier and chemical identity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product identifier</strong></td>
</tr>
<tr>
<td><strong>Product name</strong></td>
</tr>
<tr>
<td><strong>CAS number</strong></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Acid cleaner and booster</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses advised against</td>
<td>Use only for intended applications.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Sampson Chemical Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>42 Redcliffe Gardens Drive</td>
<td></td>
</tr>
<tr>
<td>Clontarf, QLD, 4019</td>
<td></td>
</tr>
<tr>
<td>+61 7 3283 4511</td>
<td></td>
</tr>
<tr>
<td><a href="mailto:sampson_office@bigpond.com">sampson_office@bigpond.com</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contact Person</th>
<th>Poisons Information 131126 or Brennan Stark 0428 835 855</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td>Eco Pro Australia Pty Ltd</td>
</tr>
<tr>
<td>42 Redcliffe Gardens Drive,</td>
<td></td>
</tr>
<tr>
<td>Clontarf, QLD, 4019</td>
<td></td>
</tr>
<tr>
<td>+61 7 3283 4511</td>
<td></td>
</tr>
<tr>
<td><a href="mailto:sampson_office@bigpond.com">sampson_office@bigpond.com</a></td>
<td></td>
</tr>
</tbody>
</table>

**Emergency telephone number**

<table>
<thead>
<tr>
<th>Emergency telephone</th>
<th>Poisons Information 131126 or Brennan Stark 0428 835 855</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>SECTION 2: Hazard(s) identification</th>
</tr>
</thead>
</table>

**Classification of the substance or mixture**

<table>
<thead>
<tr>
<th>Physical hazards</th>
<th>Not Classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health hazards</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Not Classified</td>
</tr>
</tbody>
</table>

**Label elements**

<table>
<thead>
<tr>
<th>Hazard statements</th>
<th>NC Not Classified</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Other hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>This substance is not classified as PBT or vPvB according to current EU criteria.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECTION 3: Composition and information on ingredients</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
</tr>
<tr>
<td>Citric Acid Anhydrous</td>
</tr>
<tr>
<td><strong>CAS number</strong></td>
</tr>
<tr>
<td>77-92-9</td>
</tr>
</tbody>
</table>
Citric Acid Anhydrous

SECTION 4: First aid measures

Description of first aid measures

General information
If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

Inhalation
No specific recommendations. If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.

Ingestion
No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.

Skin Contact
No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.

Eye contact
Rinse with water. Get medical attention if any discomfort continues.

Protection of first aiders
Use protective equipment appropriate for surrounding materials.

New category

Most important symptoms and effects, both acute and delayed

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
No specific symptoms known.

Ingestion
No specific symptoms known. May cause discomfort if swallowed.

Skin contact
Prolonged contact may cause dryness of the skin.

Eye contact
No specific symptoms known. May be slightly irritating to eyes.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor
Treat symptomatically.

Specific treatments
No special treatment required.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media
The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards
None known.

Hazardous combustion products
Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

Advice for firefighters
Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.
Citric Acid Anhydrous

**Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.

**SECTION 6: Accidental release measures**

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

**Personal precautions**

No specific recommendations. For personal protection, see Section 8.

**Environmental precautions**

Environmental precautions

Avoid discharge into drains or watercourses or onto the ground.

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

Methods for cleaning up

Reuse or recycle products wherever possible. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

**Reference to other sections**

Reference to other sections

For personal protection, see Section 8.

**SECTION 7: Handling and storage, including how the chemical may be safely used**

**Precautions for safe handling**

**Usage precautions**

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use.

**Advice on general occupational hygiene**

Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

**Conditions for safe storage, Including any incompatibilities**

Storage precautions

No specific recommendations.

Storage class

Unspecified storage.

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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

**Control parameters**

**Exposure controls**

**Appropriate engineering controls**

No specific ventilation requirements.

**Eye/face protection**

No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

**Hand protection**

No specific hand protection recommended. Large Spillages: Wear protective gloves.

**Hygiene measures**

Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

**Respiratory protection**

No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Citric Acid Anhydrous

Environmental exposure controls
Not regarded as dangerous for the environment.

**SECTION 9: Physical and chemical properties**

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Crystalline powder.</td>
</tr>
<tr>
<td>Colour</td>
<td>White.</td>
</tr>
<tr>
<td>Odour</td>
<td>No fragrance</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**SECTION 10: Stability and reactivity**

Reactivity
There are no known reactivity hazards associated with this product.

Stability
Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

Possibility of hazardous reactions
No potentially hazardous reactions known.

Conditions to avoid
There are no known conditions that are likely to result in a hazardous situation.

Materials to avoid
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

Hazardous decomposition products
Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

**SECTION 11: Toxicological information**

Information on toxicological effects

Toxicological effects
Not regarded as a health hazard under current legislation.

Acute toxicity - oral
Notes (oral LD₅₀)
Based on available data the classification criteria are not met.

Acute toxicity - dermal
Notes (dermal LD₅₀)
Based on available data the classification criteria are not met.

Acute toxicity - inhalation
Notes (inhalation LC₅₀)
Based on available data the classification criteria are not met.

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

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

Respiratory sensitisation
Based on available data the classification criteria are not met.

Skin sensitisation
Based on available data the classification criteria are not met.

Germ cell mutagenicity

## Citric Acid Anhydrous

**Genotoxicity - in vitro**
Based on available data the classification criteria are not met.

**Carcinogenicity**

- **Carcinogenicity**
  Based on available data the classification criteria are not met.

- **IARC carcinogenicity**
  None of the ingredients are listed or exempt.

**Reproductive toxicity**

- **Reproductive toxicity - fertility**
  Based on available data the classification criteria are not met.

- **Reproductive toxicity - development**
  Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**

- **STOT - single exposure**
  Not classified as a specific target organ toxicant after a single exposure.

**Specific target organ toxicity - repeated exposure**

- **STOT - repeated exposure**
  Not classified as a specific target organ toxicant after repeated exposure.

**Aspiration hazard**

- **Aspiration hazard**
  Not relevant. Solid.

**General information**

- **General information**
  No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

- **Inhalation**
  No specific symptoms known.

- **Ingestion**
  No specific symptoms known. May cause discomfort if swallowed.

- **Skin Contact**
  Prolonged contact may cause dryness of the skin.

- **Eye contact**
  No specific symptoms known. May be slightly irritating to eyes.

- **Route of entry**
  Ingestion Inhalation Skin and/or eye contact

- **Target Organs**
  No specific target organs known.

### SECTION 12: Ecological Information

- **Ecotoxicity**
  Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

- **Toxicity**
  Based on available data the classification criteria are not met.

- **Persistence and degradability**
  The degradability of the product is not known.

- **Bioaccumulative potential**
  No data available on bioaccumulation.

- **Mobility in soil**
  No data available.

- **Results of PBT and vPvB assessment**

- **Other adverse effects**
  None known.

### SECTION 13: Disposal considerations
Citric Acid Anhydrous

Waste treatment methods

General information
The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.

Disposal methods
Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.

SECTION 14: Transport information

UN number
UN proper shipping name
Transport hazard class(es)
Packing group

Environmental hazards

Special precautions for user

SECTION 15: Regulatory information

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

Inventories
Australia - AICS
None of the ingredients are listed or exempt.

SECTION 16: Any other relevant information

Training advice
Only trained personnel should use this material.

Revision date
9/08/2016
Revision
1
SDS No.
4622

General Information
The following risk and hazard statements are to be considered a glossary. They relate to the raw materials used in this product and therefore may not be accurate for the finished product itself. For the complete risk and hazard statements for this product please refer to section 2 of this Safety Data Sheet.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.