

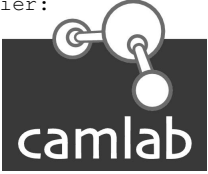
**1. Identification**

Product Code 1111458

Product Name tri-SODIUM CITRATE 2H<sub>2</sub>O A.R.

Molecular Formula HOC(COONa) (CH<sub>2</sub>COONa)<sub>2</sub>H<sub>2</sub>O =294.10

CAS Number 6132-04-3

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**2. Composition**

No hazardous components

**3. Hazards Identification**

Not considered harmful

**4. First Aid Measures**

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

**5. Fire Fighting Measures**

Hazards May support combustion at high temperatures.

Extinguishing Media Water spray.

Unsuitable Media Nothing specified.

**6. Accidental Release Measures**

Personal Protection Presents no major hazards.

Environmental Presents no major environmental hazard.

Major Spillage Shovel/sweep up into container for removal Wash area down with copious amounts of water.

Minor Spillage Wash area down with copious amounts of water.

## 7. Storage & Handling

|                      |   |
|----------------------|---|
| Handling Precautions | Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.<br><br>Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits. |
| Storage Conditions   | Well ventilated, cool, dry storage .  |

## 8.1 Workplace Exposure Limits

No prescribed exposure limits available

## 8.2 Personal Protection

|             |  |
|-------------|--|
| Respiratory | If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.                              |
| Hands       | Wear gloves.   |
| Eyes        | Use chemical splash proof glasses or goggles.  |
| Skin        | Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn. |

## 9. Physical & Chemical Properties

|                       |                                       |
|-----------------------|---------------------------------------|
| Appearance            | White crystalline powder or granules. |
| Odour                 | No specific odour.                    |
| pH                    | 8 (5% soln 20C)                       |
| Boiling point         | Not available                         |
| Melting point         | 150.0 °C                              |
| Flash point           | Not available                         |
| Upper Flammable Limit | Not available                         |
| Lower Flammable Limit | Not available                         |
| Auto Ignition         | Not available                         |
| Explosive properties  | No.                                   |
| Oxidising Properties  | No.                                   |
| Vapour Pressure       | Not available                         |
| Relative Density      | Not available                         |
| Water Solubility      | 72%                                   |

## 10. Stability & Reactivity

|                                  |  |
|----------------------------------|--|
| Chemical Stability               | Stable under normal conditions   |
| Conditions to Avoid              | No specific conditions.  |
| Materials to Avoid               | No specific materials to avoid.  |
| Hazardous Decomposition Products | None unusual. Burning will produce smoke, carbon monoxide and/or carbon dioxide. |

## 11. Toxicological Information

|                 |   |
|-----------------|---|
| Eyes            | Contact with the solid or dust may be irritating to the eyes.                                 |
| Skin            | Contact with the solid or dust may be irritating to the skin.                                 |
| LD50 Skin       | Not available   |
| Ingest          | Ingestion of large amounts may cause diarrhoea, nausea, vomiting, hyperpnoea and convulsions. |
| LD50 Ingest     | Not available   |
| Inhalation      | Inhalation of dust may produce irritation of the eyes, nose, throat and respiratory tract.    |
| Carcinogenicity | Not considered to be a carcinogen.  |
| Mutagenicity    | Not considered to be a mutagen.   |

## 11. Toxicological Information (continued)

Reproductive Effects      None identified.

Other Information          Used in the food industry.

## 12. Ecological

Small amounts present no specific environmental hazard.

## 13. Disposal Considerations

Disposal Methods          Do not dispose of as domestic waste. Dispose of to a licensed land fill site.

Contaminated Packaging    Wash out containers with water. Use a licensed waste disposer.

## 14. Transport Information

Proper Shipping Name      Non-restricted

UN Number                  Non-restricted

UN Classification          None

Subsidiary Risk            None

Flash Point                Not available

Packing Group              None

Transport Category        None

Marine pollutant          No

ADR Hazard ID             Non-restricted

## 15. Regulatory Information

Labelling                  None

Classification

Label Symbols              None

Risk & safety Phrases      None

EEC Number                200-675-3

## 16. Other Information

Document Information      This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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