

# cdhfinechemical.com

# DL-ISO CITRIC ACID TRI-SODIUM SALT CAS NO 1637-73-6

# MATERIAL SAFETY DATA SHEET SDS/MSDS

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

1.1	<b>Product identifiers</b> Product name	:	DL-Iso Citric Acid Tri-Sodium Salt			
	CAS-No.	:	1637-73-6			
1.2	Relevant identified uses of the substance or mixture and uses advised against					
	Identified uses	:	Laboratory chemicals, Industrial & for professional use only.			
1.3	Details of the supplier of the safety data sheet					
	Company	:	Central Drug House (P) Ltd 7/28 Vardaan House New Delhi -110002 INDIA			
	Telephone Email	:	+91 11 49404040 <u>care@cdhfinechemical.com</u>			
1.4	Emergency telephone number Emergency Phone # : +91 11 49404040 (9:00am - 6:00 pm) [Office hours]					
SEC	SECTION 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					
	Not a hazardous substance or mixture.					
2.3	<b>Other hazards</b> This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.					
SECTION 3: Composition/information on ingredients						
3.1	<b>Substances</b> Synonyms	:	threo-DsLs-Isocitric acid trisodium salt hydrate			
	Formula	:	C <sub>6</sub> H <sub>5</sub> O <sub>7</sub> Na <sub>3.</sub> XH <sub>2</sub> 0			
	Molecular weight	:	258.07 g/mol			

No components need to be disclosed according to the applicable regulations.

# **SECTION 4: First aid measures**

# 4.1 Description of first aid measures

## If inhaled

If 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.

## In case of eye contact

Flush eyes with water as a precaution.

## If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed No data available

# **SECTION 5: Firefighting measures**

5.1 Extinguishing media

# Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

- 5.2 Special hazards arising from the substance or mixture Carbon oxides, Sodium oxides
- **5.3** Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.
- 5.4 Further information No data available

## **SECTION 6: Accidental release measures**

6.1 **Personal precautions, protective equipment and emergency procedures** Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

# 6.2 Environmental precautions No special environmental precautions required.

- **6.3 Methods and materials for containment and cleaning up** Sweep up and shovel. Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections For disposal see section 13.

# SECTION 7: Handling and storage

## 7.1 **Precautions for safe handling** Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Non Combustible Solids

# 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

# **SECTION 8: Exposure controls/personal protection**

## 8.1 Control parameters

# 8.2 Exposure controls

**Appropriate engineering controls** General industrial hygiene practice.

# Personal protective equipment

### **Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### 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 applicable laws and good laboratory practices. Wash and dry hands.

#### **Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance le (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

No special environmental precautions required.

#### **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

Form: solid a) Appearance No data available b) Odour No data available c) Odour Threshold d) pH No data available e) Melting point/freezing No data available point No data available Initial boiling point and f) boiling range g) Flash point No data available h) Evaporation rate No data available Flammability (solid, gas) No data available i) Upper/lower No data available j) flammability or explosive limits No data available Vapour pressure k) Vapour density No data available I) m) Relative density No data available No data available n) Water solubility

- o) Partition coefficient: n-No data available octanol/water p) Auto-ignition No data available temperature q) Decomposition No data available temperature No data available r) Viscosity No data available s) Explosive properties Oxidizing properties No data available t) Other safety information No data available **SECTION 10: Stability and reactivity** Reactivity 10.1 No data available
- 10.2 Chemical stability Stable under recommended storage conditions.
- Possibility of hazardous reactions 10.3 No data available
- 10.4 Conditions to avoid No data available

9.2

10.5 Incompatible materials Strong oxidizing agents

# **10.6** Hazardous decomposition products Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sodium oxides Other decomposition products - No data available In the event of fire: see section 5

# **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects

# Acute toxicity

No data availableDL-Isocitric acid trisodium salt hydrate

### Skin corrosion/irritation

No data available(DL-Isocitric acid trisodium salt hydrate)

# Serious eye damage/eye irritation

No data available(DL-Isocitric acid trisodium salt hydrate)

# Respiratory or skin sensitisation

No data available(DL-Isocitric acid trisodium salt hydrate)

# Germ cell mutagenicity

No data available(DL-Isocitric acid trisodium salt hydrate)

### Carcinogenicity

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

### Specific target organ toxicity - repeated exposure No data available

# **Aspiration hazard**

No data available(DL-Isocitric acid trisodium salt hydrate)

# **Additional Information**

**RTECS: Not available** 

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(DL-Isocitric acid trisodium salt hydrate)

# **SECTION 12: Ecological information**

# 12.1 Toxicity

No data available

- 12.2 Persistence and degradability No data available
- 12.3 Bioaccumulative potential No data available

# 12.4 Mobility in soil No data available(DL-Isocitric acid trisodium salt hydrate)

# 12.5 Results of PBT and vPvB assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects No data available

# **SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

# **Contaminated packaging**

Dispose of as unused product.

# **SECTION 14: Transport information**

14.1	<b>UN numbe</b> ADR/RID:	-	IMDG: -	IATA: -
14.2	• •	<b>shipping name</b> Not dangerous goods Not dangerous goods Not dangerous goods		
14.3	Transport ADR/RID:	hazard class(es) -	IMDG: -	IATA: -
14.4	Packaging ADR/RID:	<b>- -</b>	IMDG: -	IATA: -
14.5	Environme ADR/RID: r	ental hazards no	IMDG Marine pollutant: no	IATA: no
14.6	<b>Special precautions for user</b> No data available			

# **SECTION 15: Regulatory information**

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture
	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

# 15.2 Chemical safety assessment For this product a chemical safety assessment was not carried out

# **SECTION 16: Other information**

### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.cdhfinechemical.com for additional terms and conditions of sale.