According to Regulation (EC) No. 1272/2008 Language : English

Safety Data Sheet

Revision: 3.00 Modified: 2022-08-30

1: Identification of substance / mixture

1. Product Identifier Substance

Product Name TRISODIUM CITRATE DIHYDRATE

Product Code S23040 CAS Number 6132-04-3

Other Names

IUPAC

MFCD Number EC/EINECS

REACH Number Index-No

2. Relevant identified uses of the substance or mixture and uses advised against

Research and Development

3. Details of the supplier of the safety data sheet

Melford Laboratories Ltd Bildeston Road, Chelsworth

Bildeston Road,Chelsword lpswich Suffolk IP77LE

Telephone: Fax: Email: 01449 741178 01449 741217

Email: support@melford.co.uk

4. Emergency telephone number

+44(0)1449 741178 -

UK

2. Hazards Identification

1. Classification of the substance or mixture

H315	Skin Irrit. 2	
H319	Eye Irrit. 2	
H335	STOT SE 3	

2. Label elements

Signal Word Warning



Hazard Statements

H315	Causes skin irritation.		
H319	Causes serious eye irritation.		
H335	May cause respiratory irritation.		

Precautionary Phrases

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.		
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.		
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.		
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
P332 + P313	If skin irritation occurs: Get medical advice/attention.		
P337 + P313	If eye irritation persists: Get medical advice/attention.		

3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

3. Composition / Information on Ingredients

1. Substances

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Product Name Hazards Concentration TRISODIUM CITRATE DIHYDRATE

CAS Number: 6132-04-3 H315, H319, H335 Eye Irrit. 2, Skin Irrit. 2, STOT SE 3 <=100%

4. First Aid Measures

1. Description of first aid measures

Skin Contact P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

Wash immediately with plenty of soap and water.

Consult a doctor.

Eye Contact P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

Bathe the eye with running water for 15 minutes.

Consult a doctor.

Wash out mouth with water. Ingestion

Consult a doctor.

Inhalation P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Supply fresh air; consult a doctor in case of complaints.

If unconscious and breathing is OK, place in the recovery position.

If breathing becomes bubbly, have the casualty sit and provide oxygen if available.

2. Most important symptoms and effects

No data available

3. Indication of any immediate medical attention

No data available

Notes to Physician - Treat symptomatically

5. Firefighting measures

1. Extinguishing Media

Suitable Water spray.

Carbon dioxide. Dry chemical powder.

Unsuitable No data available

2. Special Hazards arising from the substance or mixture

In combustion emits toxic fumes .

3. Advice for Fire Fighters

Wear self-contained breathing apparatus.

Wear protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

1. Personal Precautions

Refer to section 8 of SDS for personal protection details.

2. Environmental Precautions

Do not discharge into drains or rivers.

Avoid creating airborne dusts.

3. Methods & Materials

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

4. Preventing the occurrence of secondary hazards.

Clean up all spills immediately. Wear suitable PPE.

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7. Handling and Storage

1. Personal Precautions

Do not handle in a confined space. Safe Handling

> Avoid the formation or spread of dust in the air. Normal measures for preventive fire protection.

Protection against explosions and fires

2. Conditions for safe storage, including any incompatibilities

Managing Storage Risks Store in cool, well ventilated area.

Storage Controls Keep container tightly closed.

Keep away from direct sunlight.

Maintaining Integrity No special requirements

no further information available Other advice

3. Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

8. Exposure Controls/Personal Protection

1. Control Parameters

No Data Available

2. Exposure Controls

General protective and hygiene measures

The standard precautionary measures should be adhered to when handling

Ensure there is exhaust ventilation of the area. Engineering measures

Eye / Face Protection Safety Glasses.

Use equipment for eye protection tested and approved under appropriate government standards such

as NIOSH (US) or EN 166(EU)

Hand protection Protective 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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the

standard EN 374 derived from it

Respiratory protection P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

Respiratory protective device with particle filter.

Use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and

approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Skin protection Protective clothing.

Other personal protection

no data

advice

9. Physical and Chemical Properties

1. Physical and Chemical Properties

Appearance	Powder
Odour	odourless
Odour threshold	No Data Available
PH	No Data Available
Melting point / Freezing point	> 48°C
Initial boiling point and boiling range	No Data Available

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Flash point	No Data Available
Evaporation rate	No Data Available
Flammability(solid,gas)	No Data Available
Upper/lower flammability or explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour density	No Data Available
Relative density	No Data Available
Solubility(ies):	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Explosive properties	No Data Available
Oxidising properties	No Data Available

2. Other Information

No additional information available

10. Stability and Reactivity

1. Reactivity

No data available

2. Stability

Stable at room temperature.

3. Possibility of Hazardous Reactions

No data available

4.Conditions to Avoid

No data available

5. Incompatible Materials

Strong oxidizing agents. Strong acids.

6. Hazardous Decomposition Products

In combustion emits toxic fumes.

11. Toxicology information

1. Information

Acute Toxicity Oral LD50 (rat) >8000mg/kg (anhydrous)

Intraperitoneal LD5 (mouse) 520 mg/kg

Skin corrosion/irritation no data

Serious eye no data

Damage/irritation Respiratory or skin

no data

sensitisation

Germ Cell mutagenicity no data

Carcinogenicity not known

Reproductive toxicity not known

STOT-single exposure not known

STOT-repeated exposure not known

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Aspiration hazard

not known

2. Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

12. Ecological Information

1. Toxicity

48 Hour-EC50-Daphnia magna 5600-10000 mg/l LC50-96 Hour-fish 18000-32000 mg/ml (Poecilia reticulata)

2. Persistence and degradability

not known

3. Bio-Accumulative Potential

not known

4. Mobility and Soil

not known

5. Results of PBT & vPvB assessment

not known

6. Other adverse effects

not known

13. Disposal Considerations

1. Waste Treatment Methods

Disposal Operations Consult state, local or national regulations for proper disposal.

Disposal of Packaging Disposal must be made according to official regulations.

14. Transport Information

Air (ICAO)

Not classified as hazardous for transport

Road (ADR)

Not classified as hazardous for transport

Sea (IMDG)

Not classified as hazardous for transport

15. Safety, health, environmental and national regulations

1. Safety, health, environmental and national regulations:

product is not subject to any additional regulations or provisions

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2. Safety Assessment

No Chemical Safety Assessment

16. Other Information

1. Other Information:

ADR: Accord Europeen sur le transport des merchandises Dangereuses par Route(European Agreement concerning the International Carriage of Dangerous Goods by road)

RID:Reglement International concernant le transport des merchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association

ICAO:International Civil Aviation Organization ICAO-TI: Technical Instructions by the ICAO

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

3. Disclaimer

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user.