

SAFETY DATA SHEET
Citric Acid 50% Solution

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Issued: 22/07/2015
Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: CITRIC ACID MONOHYDRATE
CAS number: 5949-29-1
EINECS number: 201-069-1
Synonyms: 2-HYDROXY-PROPANE TRICARBOXYLIC ACID
Company name: Nexchem Ltd
Unit 1 Underwood Court
Elm Tree Avenue
Glenfield
Leicester
Leicestershire
LE3 8SG
Tel: 0116 2311130
Fax: 0116 2311124
Emergency Tel: +44 (0) 116 2877916 or +44 (0) 7714 303742 (24 Hours)
Email: sales@nexchem.co.uk

2. HAZARDS IDENTIFICATION

Label elements under CLP:

Hazard statements: H319: Causes serious eye irritation.
Signal words: Warning
Hazard pictograms: GHS07: Exclamation mark



Precautionary statements:

P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical.

Label elements under CHIP:
Hazard symbols:



Risk phrases: R36: Irritating to eyes.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients:
CITRIC ACID MONOHYDRATE.

| EINECS | CAS | CHIP Classification | CLP Classification | Percent |
|-----------|---------|---------------------|--------------------|---------|
| 201-069-1 | 77-92-9 | Xi: R36 | Eye Irrit. 2: H319 | 50-70% |

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Seek medical advice if irritation occurs.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Seek medical advice if feeling unwell.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical advice if feeling unwell.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use extinguishing media appropriate to the surrounding conditions.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: When handling observe usual precautionary measures for chemicals.

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

[cont...]

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7. HANDLING AND STORAGE

Handling requirements: No special handling precautions are necessary.
Storage conditions: Store in a cool, dry area. Avoid humidity and high temperature, material is slightly hygroscopic.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hand protection: Protective gloves.
Eye protection: Safety goggles.
Skin protection: Wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Colour: Colourless
Odour: Odourless
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Soluble

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: None
Materials to avoid: No specific materials to avoid but DO NOT MIX WITH OTHER CHEMICALS.
Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Relevant effects for mixture:

| Effect | Route | Basis |
|------------|-------|-----------------------|
| Irritation | OPT | Hazardous: calculated |

Symptoms/routes of exposure

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

[cont...]

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12. ECOLOGICAL INFORMATION

| | |
|---------------------------------------|------------------------------|
| Mobility: | Soluble in water. |
| Persistence and degradability: | Rapidly biodegradable. |
| Bioaccumulative potential: | No bioaccumulation potential |
| Other adverse effects: | Negligible ecotoxicity. |

13. DISPOSAL CONSIDERATIONS

| | |
|-------------------------------|---|
| Disposal operations: | Dispose of through approved waste disposal operatives. |
| Disposal of packaging: | Dispose of as normal industrial waste. |
| NB: | The user's attention is drawn to the possible existence of regional or national regulations regarding disposal. |

14. TRANSPORT INFORMATION

| | |
|-------------------------|---|
| Transport class: | This product does not require a classification for transport. |
|-------------------------|---|

15. REGULATORY INFORMATION

| | |
|------------------------|--|
| Hazard symbols: | No significant hazard. |
| Note: | The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions. |

16. OTHER INFORMATION

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| Legal disclaimer: | <p>The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.</p> |
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