

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

Product identifier:

Product name: CITRIC ACID ANHYDROUS
REACH registered number(s): 01-2119457026-42-XXXX
CAS number: 77-92-9
EINECS number: 201-069-1

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

Use of substance / mixture: Sweetener in food and pharmaceutical applications sequestering agent. Pharmaceutical and chemical applications. Detergent

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification under CLP: Eye Irrit. 2: H319
Classification under CHIP: Xi: R36
Most important adverse effects: Causes serious eye irritation.

Label elements:

Label elements under CLP:

Hazard pictograms: GHS07: Exclamation mark



Signal words: Warning

Hazard statements: H319: Causes serious eye irritation.

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Precautionary statements:

- P264: Wash skin thoroughly after handling.
- P280: Wear eye 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 attention.

Other hazards:

PBT: This product is not identified as a PBT substance.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

Chemical identity: CITRIC ACID ANHYDROUS POWDER

4. FIRST AID MEASURES

Description of first aid measures:

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

Most important symptoms and effects, both acute and delayed:

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

Eye contact: There may be irritation and redness. The eyes may water profusely.

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. Exposure may cause coughing or wheezing.

Indication of any immediate medical attention and special treatment needed:

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

Special hazards arising from the substance or mixture:

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

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

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal precautions: Refer to section 8 of SDS for personal protection details. Do not create dust.

Environmental precautions: Do not discharge into drains or rivers.

Methods and material for containment and cleaning up:

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

Reference to other sections:

7. HANDLING AND STORAGE

Precautions for safe handling:

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Do not handle in a confined space. Avoid the formation or spread of dust in the air.

Conditions for safe storage, including any incompatibilities:

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Specific end use(s):

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Workplace exposure limits:	Respirable dust			
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	10mg/m ³	4mg/m ³

DNEL/PNEC Values:

DNEL / PNEC: No data available.

Exposure controls:

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protective device with particle filter. Particle filter class P1 (EN143).

Hand protection: Protective gloves.

Eye protection: Safety glasses with side-shields. Ensure eye bath is to hand.

Skin protection: Protective clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

State:	Powder		
Colour:	White		
Odour:	Odourless		
Oxidising:	Non-oxidising (by EC criteria)		
Solubility in water:	Highly soluble		
Also soluble in:	Ethanol. Diethyl ether.		
Melting point/range°C:	153	Relative density:	1.66 @ 10% solution
pH:	1.7		

Other information: No data available.

10. STABILITY AND REACTIVITY

Reactivity:

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions:

Conditions to avoid: Heat. Moist air.

Incompatible materials:

Materials to avoid: Strong oxidising agents. Strong bases.

Hazardous decomposition products:

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Toxicity values:

Route	Species	Test	Value	Units
ORAL	MUS	LD50	5400	mg/kg
DERMAL	RBT	LD50	>2000	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Based on test data

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Symptoms / routes of exposure:

Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
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. Exposure may cause coughing or wheezing.

12. ECOLOGICAL INFORMATION

Toxicity:

* Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	880	mg/l

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Mobility in soil

Mobility: Soluble in water.

Results of PBT and vPvB assessment:

PBT identification: This product is not identified as a PBT substance.

Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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

Chemical safety assessment: * A chemical safety assessment has been carried out for the substance or the mixture by the supplier.

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.

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16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3: H319: Causes serious eye irritation.
R36: Irritating to eyes.

Legal disclaimer: 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.