

## Material Safety Data Sheet

### 1. IDENTIFICATION OF SUBSTANCE/COMPANY/UNDERTAKING

<b>Product Name:</b>	<b>Citric Acid</b>
Chemical name:	2 Hydroxy 1,2,3-Propanetricarboxylic Acid
Company Name:	William Hodgson & Company 'The Dairy', Gawsworth Business Court, Shellow Lane, North Rode, Congleton, Cheshire. CW12 2FQ
Telephone Number:	01625 599 111
Fax Number:	01625 599 222
Mobile Number:	07795 414 061

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number:	77 - 92 - 9
EINECS Number:	201 - 069 - 1
Formula:	$C_6H_8O_7$
INCI Name:	Citric Acid
Composition:	Typically 100% Citric Acid anhydrous

### 3. HAZARDS IDENTIFICATION

Xi: Irritant



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----- Established 1894 -----

## 4. FIRST AID MEASURES

<b>Product Name:</b>	<b>Citric Acid</b>
General:	In all cases of doubt or when symptoms persist Always seek medical attention
Inhalation:	Remove to Fresh air. Seek medical attention immediately.
Skin contact:	Remove all contaminated clothing, wash affected area with plenty of soap and water.
Eye contact:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion:	Only when conscious wash out mouth with Water and give plenty of water to drink, Approx. 500ml. DO NOT INDUCE VOMITING. Obtain medical attention Immediately.

## 5. FIRE FIGHTING EXTINGUISHING MEASURES

Suitable Extinguishers:	Water spray, foam or powder. Do not use Tetrachlore.
Fire fighting procedures:	Take measures to retain water used for Extinguishing. Do not release contaminated Water into drains, soil and surface water. Dispose of contaminated water and soil According to local regulations. If risk of water Contamination occurs notify appropriate Authorities.
Hazardous combustion Products:	Burning will produce oxides of carbon.
Protective equipment:	Fire fighters should wear self-contained Breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with eyes.
Environmental Precautions:	Prevent contamination of soil, drains and surface water.
Methods for cleaning up:	Cover spillage with damp inert material, take-up or collect and place into a suitable closable labelled container for disposal. Wash the area clean with water and detergent, observing environmental requirements.

## 7. HANDLING & STORAGE MEASURES

Handling:	Product should be used in accordance with Good industrial principles for handling and Storing of hazardous chemicals. Ensure good ventilation and local exhaust Extraction in work place. Avoid contact with Skin or eyes.
Storage:	Avoid direct sunlight. Store in a cool, dry, well Ventilated place, in securely sealed original Containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient comments:	No specific OES assigned, however for dusts of any kind, ensure LTEL (8 hour TWA ref. period) level does not exceed 10 mg.m <sup>3</sup> for total inhalable dust or 4 mg.m <sup>3</sup> for respirable dust (or) as recommended in current edition of EH40.
Ventilation:	Provide adequate general and local exhaust ventilation.
Respirators:	If unable to control dust emissions below recommended limits, an approved respiratory protector must be used at all times providing at least P2S level of protection.

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Protective Gloves:	Use imperious gloves made of butyl rubber, neoprene or Polyvinyl chloride (PVC).
Eye Protection:	Approved chemical safety goggles or face Protection
Other protection:	Wear personal protective equipment appropriate To the quantity of material handled. Sleeves. Closed impervious footwear. Apron.
Hygienic Work practices:	Skin Protection – apply barrier cream to hands And exposed skin. Promptly remove contaminated clothing.

**9. PHYSICAL & CHEMICAL PROPERTIES**

Please see separate specification sheet.

**10. STABILITY AND REACTIVITY**

Stability:	Stable under normal conditions of use.
Materials to avoid:	Alkalis, bases and oxidizing agents.
Hazardous decomposition	Thermal decomposition or burning will release Oxides of carbon.

**11. TOXICOLOGICAL EFFECT**

LD50.	Rat.885 mg/kg (intravenous)
Toxic Dose – LD 50:	11 700 mg/kg (oral rat)
Health Hazards:	Irritating to eyes or if inhaled as dust.
Health Warnings:	This chemical may cause skin/eye irritation and burns (corrosive). Aqueous solutions have corrosive effect.



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## 12. ECOLOGICAL INFORMATION

LC50 fish 440 – 706 mg/l

LC50, 96 hrs, Fish mg/l: 135 (Bluegill).

Degradability: Biodegradable – 98% within 2 to 24 hours.

## 13. DISPOSAL CONSIDERATIONS


Disposal methods: This material and/or its container must be Disposed of as hazardous waste according to Special waste regulations 1996 or according to Local regulations, in compliance with duty of Care regulations and special waste regulations.

Waste Class: Waste code: 0705\*\*HAZARDOUS PROPERTY: H4

## 14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

## 15. REGULATORY INFORMATION

Label for supply: Xi – Irritant 

Risk Phrases: R-36 Irritating to eyes.

Safety Phrases: S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

UK Regulatory references: Classification, Packaging and labeling Regulations 1984. Chemicals (hazard Information & packaging) Regulations 1993.

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----- *Established 1894* -----

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## 16. OTHER INFORMATION

This product has been classified in accordance with CHIP3 regulations.

The information contained herein is accurate to the best of our knowledge.

No liability can be accepted arising out of the use, application or processing of this product.

It is the Users responsibility to determine safe conditions for the use of this material.