

**Official
Material Safety
Data Sheet (MSDS)**

This MSDS version supersedes all previous MSDS for the specified product.



ABLE WESTCHEM

CODE: AC294
ISSUE DATE: 2013 JAN
ISSUED BY: TM
VERSION: 1.3
PAGE: 1 of 3

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

IDENTIFICATION

Product name: CITRIC ACID
Product code: AC294
Use: Descaling; removing inorganic stains such as rust; pH control
Supplier: Able Westchem, 273 Collier Road, Bayswater WA 6053
Contact person: Technical Manager
Telephone: (08) 9471 9111 (Monday to Friday from 8:00am – 4:30pm (UTC+08:00))
Emergency: In case of Poison Emergency in Australia please call 13 11 26 (24 hours).

HAZARDS IDENTIFICATION

UN No: Not Allocated
DG Class: Not Allocated
Hazard: Irritant
Risk Phrase(s): Risk of serious eye damage
Safety Phrase(s): Avoid contact with eyes.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable gloves and eye/face protection

Hazchem Code: Not Relevant
Poisons Schedule: Not Allocated

INGREDIENTS

Chemical name	CAS No.	Proportion
Citric Acid	[77-92-9]	100 %

FIRST AID & HEALTH HAZARD INFORMATION

Swallowed: Rinse mouth out with water. Give water to drink. DO NOT induce vomiting. Seek medical attention if necessary.
Eye: Hold eye open and flood with water for at least 15 minutes. Seek medical attention.
Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. Launder clothing before re-use. Seek medical advice if effects persist.
Inhalation: Remove patient to fresh air. Keep warm and at rest. Seek medical attention if effects persist.
Advice to Doctor: Treat symptomatically.

FIRE FIGHTING MEASURES

Flammability: Combustible solid
Extinguishing Media: Use water fog or fine water spray to fight fires.
Hazards: Combustible solid, however, does not burn readily. Incompatible with strong oxidising agents, alkalis, carbon steel and sources of ignition. On burning will emit toxic fumes, including those of oxides of carbon.
Special precautions:
HAZCHEM: Not Relevant

ACCIDENTAL RELEASE MEASURES



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PROUDLY AUSTRALIAN OWNED & MANUFACTURED BY ABLE WESTCHEM
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Ph (08) 9471 9111 Fax (08) 9272 6740 Email: info@westchem.com.au
Web 1: www.westchem.com.au Web 2: www.envirocareearth.com.au



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Emergency Procedures: CAUTION - spillages are slippery.
Method & Materials for: Clean up immediately. Mop up, or use absorbent (soil, sand, sawdust, inert
cleanup material, vermiculite). Collect and seal in properly labelled drums for disposal. Wash area down with excess water. Small spills may be diluted and washed to drain with water. Neutralise if necessary with dilute bicarbonate of soda (e.g. Sodium Hydrogen Carbonate).

HANDLING & STORAGE

Storage and Transport: This product is not categorised as a dangerous good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).
Other Information: None

EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards: No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC). However, the exposure standard for dust not otherwise specified is 10mg/m³ (for inspirable dust) and 3mg/m³ (for respirable dust). NOTE: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity

Engineering controls: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal protection: RESPIRATOR: Wear a P2 particulate respirator when handling this product (AS1715/1716). EYES: Safety glasses with side shields (AS1336/1337). HANDS: Wear impervious rubber gloves (AS2161). CLOTHING: Long-sleeved protective clothing and safety footwear (AS3765/2210).

PHYSICAL & CHEMICAL PROPERTIES

Appearance and odour: Clear, translucent crystals; odourless
Solubility in water: Very soluble
Melting point: 150°C
Specific gravity: 1.54 ± 0.02
Vapour pressure: Not determined
pH (1% solution): 2.5 ± 0.5
Flash point: Not applicable

STABILITY & REACTIVITY

Chemical stability: Stable
Conditions to avoid: Avoid exposure to heat, sources of ignition, exposure to moist air, sunlight, exposure to open environment, open flame, dust generation and high temperatures. May deliquesce in moist air and may lump under certain pressures and under conditions of high temperature. The material may decompose and become yellow following extended exposure to the open environment.

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Incompatible materials: Incompatible with strong oxidising agents, alkalis, carbon steel and sources of ignition. The solution will very slowly corrode mild steel and soften concrete.

Hazardous decomposition products: On burning will emit toxic fumes, including those of oxides of carbon

Hazardous reactions: Hazardous polymerization will not occur. Reacts exothermically with alkalis.

TOXICOLOGICAL INFORMATION

Swallowed: No adverse effects expected, however, large amounts may cause nausea and vomiting. Swallowing may result in irritation to the mouth and throat. Frequent or large oral doses can cause tooth erosion. This product is a permitted food additive. Ingestion of a large amount may cause digestive tract irritation.

Eye: A severe eye irritant. Contamination of eyes can result in permanent injury.

Skin: Contact with skin may result in irritation

Inhalation: Breathing in dust may result in respiratory irritation with sore throat, coughing and shortness of breath.

Chronic effects:

Toxicity data: Oral LD50 (rat): 3000 mg/kg. Oral LD50 (mice): 5040 mg/kg SKIN: Mild irritant (rabbit). EYES: Severe irritant (rabbit).

ECOLOGICAL INFORMATION

Ecotoxicity: Not Determined

Persistence & degradability: Not persistent, 98% degraded after 7 days.

Mobility: Not determined

DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

Disposal containers: Sealed containers

Special precautions in landfills or incineration: None

TRANSPORT INFORMATION

UN number: Not Allocated

UN Proper shipping name: Not Allocated

Class & Subsidiary risk: Not Allocated

Packing Group: Not Allocated

Special precautions: Not Allocated

Hazchem Code: Not Allocated

REGULATORY INFORMATION

Regulatory Status SUSDP Poison Schedule: Not scheduled
NOHSE (Worksafe): Hazardous in solid form



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