

Safety Data Sheet

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER	
Product name:	CITRIC ACID MONOHYDRATE
Other Names:	Citric acid monohydrate
Chemical formula:	C ₆ H ₈ O ₇ ·H ₂ O
Recommended Use:	General chemical. Organic Acid gangue depressant for ores containing oxide minerals
Company Identification:	UCN CHEMICAL Limited Korkut Reis Mah Lale Cad 13/7 Cankaya Ankara
Address:	
Customer Centre:	UCN CHEMICAL Limited

Section 2: HAZARD IDENTIFICATION

This material is hazardous according to criteria of Safe Work Australia; **HAZARDOUS SUBSTANCE.**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; **NON-DANGEROUS GOODS.**

Risk Phrases: Irritating to respiratory system and skin. Risk of serious damage to eyes.

Safety Phrases: Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eyeface protection.

Poisons Schedule: None allocated.

Section 3: Composition Information

INGREDIENT	CAS No.	CONTENT
Citric acid, monohydrate	5949-29-1	>=99.5%

Safety Data Sheet

Section 4: FIRST AID MEASURES	
Inhalation:	Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.
Ingestion:	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice.
Skin Contact:	If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
Eye Contact:	Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre. Continue to wash with large amounts of water until medical help is available.
Medical Attention & Special treatment	Treat symptomatically. Can cause corneal burns.
Section 5: FIREFIGHTING MEASURES	
Hazards from combustion products:	Combustible solid. On burning will emit toxic fumes, including those of oxides of carbon .
Combustion Products:	Not applicable
Suitable Extinguishing Media:	Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).
Unsuitable Extinguishing Media:	Dry agent (carbon dioxide, dry chemical powder).
Precautions for fire fighters and special protective equipment:	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
Section 6: ACCIDENTAL RELEASE MEASURES	

Safety Data Sheet

Emergency procedures/Environmental precautions:	If contamination of sewers or waterways has occurred advise local emergency services.
Methods and materials for containment and cleaning up:	Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal.
Section 7: HANDLING AND STORAGE	
Handling:	Avoid skin and eye contact and breathing in dust. Avoid handling which leads to dust formation. In common with many organic chemicals, may form flammable dust clouds in air. For precautions necessary refer to Safety Data Sheet "Dust Explosion Hazards". Take precautionary measures against static discharges.
Storage:	Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills..
Other Information:	
Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION	
Exposure Limits:	No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for particulates: Dusts not otherwise classified: 8hr TWA = 10 mg/m ³
Protective Equipment:	The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors. OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, DUST MASK.

Safety Data Sheet

Engineering Controls:	Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating and breathing in dusts. Use with local exhaust ventilation or while wearing dust mask. Keep containers closed when not in use
Hygiene Precautions:	Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.
Section 9. PHYSICAL AND CHEMICAL PROPERTIES	
<p>Physical state: Fine Crystalline Powder Colour: White Odour: Odourless Solubility: Soluble in water. Specific Gravity: 1.542 Relative Vapour Density (air=1): Not applicable Vapour Pressure (20 °C): Not applicable Flash Point (°C): 173.9 (CC) Flammability Limits (%): Not available Autoignition Temperature (°C): Not available Melting Point/Range (°C): 153 Boiling Point/Range (°C): Not available pH: 1.8 @ 20°C (50g/L concentration)</p>	
Section 10: STABILITY AND REACTIVITY	
Chemical Stability:	
Hazardous Decomposition Products:	Oxides of carbon.
Conditions to Avoid:	Avoid exposure to heat, sources of ignition, and open flame. Avoid dust generation.
Incompatible materials:	Incompatible with strong oxidising agents. alkalis , reducing agents and nitrates .
Hazardous reactions: Hazardous	polymerisation will not occur.

Safety Data Sheet

ERMA Classification:	
Ingestion:	No adverse effects expected, however, large amounts may cause nausea and vomiting.
Inhalation:	Breathing in dust may result in respiratory irritation.
Skin Contact:	Contact with skin may result in irritation.
Eye Contact:	A severe eye irritant. Contamination of eyes can result in permanent injury.
Chronic Effects:	n/a
Other Information:	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.
Section 12: ECOLOGICAL INFORMATION	
ERMA Classification:	
Ecotoxicity:	Avoid contaminating waterways
Section 13: DISPOSAL INFORMATION	
Disposal methods:	Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Dispose of material through a licensed waste contractor.
Section 14: TRANSPORT INFORMATION	
Road and Rail Transport Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.	

Safety Data Sheet

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

Section 15: REGULATORY INFORMATION

Classification: This material is hazardous according to criteria of Safe Work

Australia; HAZARDOUS SUBSTANCE.

Hazard Category: Xi: Irritant

**Risk Phrase(s): R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damage to eyes.**

**Safety Phrase(s): S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.**

Poisons Schedule: None allocated

Section 16: OTHER INFORMATION

Supplier Safety Data Sheet; 08/ 2014.

This safety data sheet has been prepared by Kemcore.

Reason(s) for Issue: 1st issue

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Kemcore cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Kemcore at the contact details on page 1. Kemcore's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.