

SAFETY DATA SHEET

Date Issued : 12/07/2022
SDS No. : Regal Copper & Scale Out

Regal Pool Care System Copper & Scale Out

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Regal Pool Care System Copper & Scale Out
GENERAL USE: Metal and Scale Control for Swimming Pools
GENERIC NAME: Citric Acid

DISTRIBUTOR

Alliance Trading, Inc.
109 North Park Blvd., 4th Floor
Covington, LA 70433

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Serious Eye Damage, Category 2

GHS LABEL



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H319: Causes serious eye irritation.

PRECAUTIONARY STATEMENT(S)

Prevention:

P264: Wash ... thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Eye, skin, and mucous membrane irritant. May cause allergic reactions in some individuals.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation with redness, pain, possible eye burns, conjunctivities, ulceration and permanent cloudiness.

SKIN: May cause skin irritation with swelling, redness and pain.

INGESTION: May cause acute gastrointestinal irritation with abdominal pain.

INHALATION: May cause mucous membrane irritation with cough, sore throat and shortness of breath.

CARCINOGENICITY: Not listed by NTP, IARC or OSHA.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Citric Acid (Eye Irritant 2A, H319)	100	77-92-9

4. FIRST AID MEASURES

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EYES: Flush eye with water for 15 minutes. Get medical attention.

SKIN: Get medical attention immediately if irritation (redness, rash, blistering) develops and persists. Wash affected areas with plenty of water.

INGESTION: Drink plenty of water. Do not induce vomiting. Consult a physician if necessary.

INHALATION: Remove to fresh air.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CHRONIC EFFECTS: Repeated or prolonged skin contact may result in dermatitis. Prolonged or repeated eye contact may result in conjunctivitis. Long term oral overexposure may cause damage to tooth enamel.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water, water spray, dry powder, foam, carbon dioxide. Remove containers if possible. Cool container exposed to fire with water spray.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus (SCBA) and turn-out gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides (CO, CO₂).

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Sweep or vacuum into closed containers for disposal. Keep unnecessary personnel away. Dispose in compliance with local, state and federal regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Incompatible with strong bases and oxidizing agents.

HANDLING: Empty containers retain product residue and vapors. Observe all label precautions even after container is emptied. Do not reuse unless thoroughly cleaned.

STORAGE: Store in a cool dry place. Store away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Citric Acid (Eye Irritant 2A, H319)	OSHA PEL	TWA	[1]	[1]
	ACGIH TLV	TWA	[2]	[2]

Footnotes:

- 5 mg/m³ (respirable dust)
- Not established. Use TLV for Nuisance dusts of 5 mg/m³.

ENGINEERING CONTROLS: Provide adequate exhaust ventilation to control work place concentrations.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses recommended.

SKIN: Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

RESPIRATORY: In dusty atmospheres use a NIOSH-approved dust respirator.

PROTECTIVE CLOTHING: Lightweight protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

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ODOR: None.

APPEARANCE: White powder.

pH: 1.80

FLASHPOINT AND METHOD: Not Applicable.

LOWER EXPLOSION LIMIT: 8 gm/FT3

UPPER EXPLOSION LIMIT: 65 gm/FT3

AUTOIGNITION TEMPERATURE: 345°C

VAPOR PRESSURE: Not volatile.

VAPOR DENSITY: Not Applicable

BOILING POINT: Not Established

FREEZING POINT: 153°C

SOLUBILITY IN WATER: 61.8% at 25 deg C in water

EVAPORATION RATE: Nil.

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Avoid dust formation. Take precautionary measures against static discharges.

POSSIBILITY OF HAZARDOUS REACTIONS: Thermal decomposition can lead to release of irritating gases and vapors.

HAZARDOUS DECOMPOSITION PRODUCTS: None, if stored normally.

INCOMPATIBLE MATERIALS: Strong bases and oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL LD₅₀: 5040 mg/kg (mice)

INHALATION LC₅₀: 885 mg/L (rat)

SERIOUS EYE DAMAGE/IRRITATION: Irritating to eyes and skin.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Toxic to fish.

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: 440-77 mg/L (goldfish)

BIOACCUMULATION/ACCUMULATION: None.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Not considered hazardous.

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CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not considered hazardous.

CALIFORNIA PROPOSITION 65: There are no chemicals present known to the State of California to cause cancer.

16. OTHER INFORMATION

Date Prepared: 12/07/2022

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

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