Material Safety Data Sheet

Citric Acid Powder (RXSOL-41-8926-025)

1. Product and Company Identifaction

Product Name	CITRIC ACID
Product Type	RXSOL-41-8926-025

Company Details:
RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kolkata, Chennai, Visakhapatnam, Kandla, Fujairah, Oman

Phone	+91 22 27815540 / 41 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9322594669
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Hazardous Ingredient	CAS	OSHA PEL	OSHA HAZARD	%
Citric Acid	77-92-9	5000 mg/m3 (dust)	Irritant	Not less than 99.5%

3. Hazards Identification

Emergency Overview
Appearance: White Powder Odor: Ordorless Scent Flashpoint: N/A
Hazard: Irritant
Eye Contact: Causes temporary eye irritation.
Skin Contact: Frequent or prolonged contact causes temporary irritation. Skin contact may aggravate an existing dermatitis condition.
Inhalation: May cause temporary irritation.
Ingestion: Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause temporary injury.
HMIS Hazard Rating: Health 1 Flammability 0 Reactivity 0

4. First Aid Measures

Eye Contact: Immediately irrigate with flowing water continuously for 15 minutes. If irritation persists consult medical personnel.
Skin Contact: Wash with soap and water. If irritation persists consult medical personnel.
Inhalation: Move to fresh air. If irritation persists consult medical personnel.
Ingestion: If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. If injured party is conscious, give two glasses of water. Seek medical attention.

5. Fire-fighting Measures

Flashpoint: N/A Upper Flammable Limit (% by volume): N/A
Autoignition Temperature: N/D Lower Flammable Limit (% by volume): N/A
General Hazard: Irritant
Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.
Hazardous Decomposition Products: During a fire, smoke may contain the original material in addition

to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to carbon dioxide and carbon monoxide.

6. Accidental Release Measures

Keep all unnecessary personnel away. Prevent additional discharge of material. Prevent material from entering sewers, watercourses, or low areas. Contain and clean spilled material by vacuum or broom sweeping and remove to disposal container. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

7. Handling and Storage

Store out of reach of children; keep container closed; store in a cool dry well-ventilated place. Avoid contact with skin and eyes. Use in a well-ventilated area; do not breathe dusts. Wash hands thoroughly after handling.

8. Exposure controls and personal protection

Engineering Controls: Normal room ventilation is satisfactory for limited use.
Eye Protection: Safety glasses
Skin Protection: Use gloves impervious to this material when prolonged or frequently repeated contact could occur.
Respiratory: No respiratory protection should be needed.
Exposure guidelines: N/E

9. Physical and chemical properties

Appearance/Physical State: White crystals Odor: Odorless
Vapor Pressure: N/A Vapor Density: N/A
Boiling Point: N/A Freezing Point: N/A
Density: N/E . pH: 3.0 - 4.0 (10% solution)
Solubility in Water: Soluble

10. Stability and reactivity

Chemical stability: Stable
Incompatibility with other substances: Strong oxidizing or alkaline agents
Reactivity: Solutions are mildly corrosive to steel.
Hazardous Decomposition Products: Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids, and other unidentified thermal decomposition products from this product or its packaging.

11. Toxicological information

Route of Entry: Eye and skin contact
Effects of Acute Overexposure to Product:
Eye Contact: Causes temporary eye irritation, redness, tearing, and blurred vision
Skin Contact: Causes temporary skin irritation, defatting and dermatitis
Inhalation: Inhalation of dust may cause temporary respiratory irritation; temporary central nervous system effects including dizziness, weakness, fatigue, nausea, and headache.
Ingestion: May cause gastrointestinal temporary irritation with nausea, vomiting and diarrhea.
Effects of Chronic Overexposure to Product:
Exposure limits: N/D for mixture
Teratogenicity: None
Reproductive toxicity: None
Sensitization to Product: None known
Mutagenicity: None
Carcinogenicity: None

12. Ecological information

Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

13. Disposal considerations

Dispose of in accordance with federal, state and local regulations. Prevent run-off to sewers.

14. Transport information

Shipping paper description: None
Labeling: None
Markings: None
Placard: None
Packaging: Strong outer packaging. UN specification packaging not required.
Note: Applies only to ground shipments. Additional compliance steps are required for air shipments; ship in accordance with 49 CFR parts 100 - 185.

15. Regulatory information

TSCA: All chemicals used in this product are listed
CERCLA: No
SARA Title III: Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the immediate health hazard category.
The chemicals used in this product may be subject to the provisions of the Community Right-to Know Act (40 CFR 370 - 374). If reporting requirements are met, please contact the Environmental, Health and Safety (EHS) Manager for information regarding this product.

16. Other information

This document is prepared in accordance with 29 CFR 1910.1200. The purpose of this section is to ensure that the hazards of all chemicals produced or imported are evaluated, and that information concerning their hazards is transmitted to employers and employees. All information appearing herein is based upon data obtained from the raw material manufacturer and/or
recognized technical sources. While the information above is believed to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the manufacturer's control; therefore the users are responsible to verify this data under their own particular conditions, applications and regulations to determine if the product is suitable for their particular purposes. The users assume all risks of product use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds,

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