Material Safety Data Sheet

Calcium Chloride 77 percent (RXSOL-81-6010-025)

1. Product and Company Identifaction

Product Name	Calcium Chloride 77 percent
Product Type	RXSOL-81-6010-025

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

Stock Points: Mumbai, Kandla, Kolkata, Vishakhapatnam, Chennai, Fujairah, Muscat, Kenya, Canada

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

2. Composition / informationon ingredients

COMPONENT	CAS	% BY WEIGHT
Calcium Chloride	10035-04-8	100%

3. Hazards Identification

HEALTH HAZARDS, GENERAL: Particulates may cause mechanical irritation to the eyes, nose, throat and lungs. Particulate inhalation may lead to pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma. Dermatitis and asthma may result from short contact periods.

INHALATION: Irritating to the respiratory tract if inhaled.

INGESTION: Harmful if swallowed. May cause gastric distress, nausea and vomiting if ingested.

SKIN: Irritating to the skin.

EYES: Irritating to the eyes.

CHRONIC EFFECTS:

CARCINOGENICITY: IARC: Not listed. OSHA: Not regulated.

NTP: Not listed.

ROUTE OF ENTRY: Inhalation, skin and/or eye contact.

TARGET ORGANS: Respiratory system, lungs. Skin. Eyes

4. First Aid Measures

GENERAL: Persons seeking medical attention should carry a copy of this MSDS with them.

INHALATION: Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention.

INGESTION: Drink a couple of glasses water or milk. Do not give victim anything to drink of he is unconscious. Get medical attention.

SKIN: Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if any discomfort continues.

EYES: Promptly wash eyes with lots of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. Fire-fighting Measures

FLAMMABILITY LIMIT - LOWER(%): N/D

FLAMMABILITY LIMIT - UPPER(%): N/D

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire. Carbon dioxide (CO2). Dry chemicals. Foam. Water spray, fog or mist.

SPECIAL FIRE FIGHTING PROCEDURES: No specific fire fighting procedure given.

UNUSUAL FIRE & EXPLOSION HAZARDS: No unusual fire or explosion hazards noted.

HAZARDOUS COMBUSTION PRODUCTS: This material is not combustible. No specific hazardous combustion products noted

6. Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Ventilate area of leak or spill. Wear personal protective equipment as specified in section 8. Spills: sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

7. Handling and Storage

HANDLING: Handle all chemicals with care.
STORAGE: Store at moderate temperatures in dry, well ventilated area. Keep in original container

8. Exposure controls and personal protection

INGREDIENT COMMENTS: No exposure limits noted for ingredient(s). Exposure limits are for Particulates Not Otherwise Classified (PNOC).

PROTECTIVE EQUIPMENT:

ENGINEERING CONTROLS: Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to reduce air contamination and keep worker exposure below the applicable limits.

VENTILATION: Supply natural or mechanical ventilation adequate to exhaust airborne product and keep exposures below the applicable limits.

RESPIRATORS: Use at least a NIOSH-approved N95 half-mask disposable or reuseable particulate respirator. In work environments containing oil mist/aerosol use at least a NIOSH-approved P95 half-mask disposable or reuseable particulate respirator.

PROTECTIVE GLOVES: Use suitable protective gloves if risk of skin contact.

EYE PROTECTION: Wear dust resistant safety goggles where there is danger of eye contact.

PROTECTIVE CLOTHING: Wear appropriate clothing to prevent repeated or prolonged skin contact.

HYGIENIC WORK PRACTICES: Wash promptly with soap and water if skin becomes contaminated. Change work clothing daily if there is any possibility of contamination.

9. Physical and chemical properties

APPEARANCE/PHYSICAL STATE: Flakes.

COLOR: White.

ODOR: Odorless or no characteristic odor.

SOLUBILITY DESCRIPTION: Very soluble in water.

SOLUBILITY VALUE (g/100g H2O 68°F): 75

DENSITY/SPECIFIC GRAVITY (g/ml): 2.2

TEMPERATURE (°F): 68

VAPOR DENSITY (air=1): N/D

VAPOR PRESSURE: N/D

TEMPERATURE (°F):

pH-VALUE, DILUTED SOLUTION: N/D CONCENTRATION (%,M)

10. Stability and reactivity

STABILITY: Normally stable.

CONDITIONS TO AVOID: Avoid contact with water.

HAZARDOUS POLYMERIZATION: Will not polymerize.

POLYMERIZATION DESCRIPTION: Not relevant.

MATERIALS TO AVOID: Sulfuric acid

HAZARDOUS DECOMPOSITION PRODUCTS: No specific hazardous decomposition products noted.

11. Toxicological information

ORAL	: Product is classified as moderately irritating to the digestive tract.
DERMAL	: Product is classified as moderately irritating to the skin.
INHALATION	: Product is classified as moderately irritating to the eyes.

12. Ecological information

ECOTOXICITY	: No product information is available.
CHEMICAL FATE INFORMATION	: No product information is available.

13. Disposal considerations

WASTE DISPOSAL	: Consult local, state, or federal regulatory agencies for acceptable disposal procedures and disposal locations. Disposal in streams or sewers may be prohibited by federal, state, and local regulations.
RCRA STATUS	: None

14. Transport information

(NON-BULK SHIPMENTS)

D.O.T. PROPER SHIPPING NAME	: Not Regulated
D.O.T. TECHNICAL NAME	: Non-hazardous for D.O.T. purposes
D.O.T. HAZARD CLASS	: N/A
D.O.T. UN NUMBER	: N/A
HAZARD SUBCLASS	: N/A
PACKING GROUP	: N/A
RESP. GUIDE PAGE	: N/A

(BULK SHIPMENTS)

D.O.T. PROPER SHIPPING NAME	: Not Regulated
D.O.T. TECHNICAL NAME	: Non-hazardous for D.O.T. purposes

D.O.T. HAZARD CLASS	: N/A
D.O.T. UN NUMBER	: N/A
HAZARD SUBCLASS	: N/A
PACKING GROUP	: N/A
RESP. GUIDE PAGE	: N/A

T.D.G. PROPER SHIPPING NAME	: Not Regulated
T.D.G. TECHNICAL NAME	: N/A
T.D.G. HAZARD CLASS	: N/A
T.D.G. UN NUMBER	: N/A
HAZARD SUBCLASS	: N/A
PACKING GROUP	: N/A
RESP. GUIDE PAGE	: N/A

IMDG PROPER SHIPPING NAME	: Not Regulated
IMDG TECHNICAL NAME	: N/A
IMDG HAZARD CLASS	: N/A
IMDG UN NUMBER	: N/A
HAZARD SUBCLASS	: N/A
PACKING GROUP	: N/A
EmS No.	: N/A

15. Regulatory information

US FEDERAL REGULATIONS:

WASTE CLASSIFICATION: Not a hazardous waste by U.S. RCRA criteria. See Section 13. REGULATORY STATUS: This Product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented): SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. SARA 311 Categories: 1: Immediate (Acute) Health Effects. The components of this product are listed on or are exempt from the following international chemical registries: TSCA (U.S.) DSL (Canada) EINECS (Europe)

STATE REGULATIONS: STATE REGULATORY STATUS: This product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented):. None.

PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required.

CANADIAN REGULATIONS:

LABELS FOR SUPPLY:

REGULATORY STATUS: This Material Safety Data Sheet has been prepared in compilance with the Controled Product Regulations. Canadian WHMIS Classification: D2B - Other Toxic Effects: Toxic Material

16. Other information

Text of R and S phrase codes used in this safety data sheet:- R34: Causes burns; R36: Irritating to eyes; R37:Irritating to respiratory system; R41: Risk of serious damage to eyes. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

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The conditions for handling, storage, use, and disposal of this product are beyond our control and may also be beyond our current knowledge. For these reasons, we do not accept responsibility and explicitly disclaim liability for any loss, damage, or expense arising from or related to the handling, storage, use, or disposal of the product.

This SDS is intended solely for the product as supplied. If the product is used as a component in another formulation, this information may not be applicable.

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