Material Safety Data Sheet

CALCIUM HARDNESS INDICATOR (RXSOL-60-6604-228)

1. Product and Company Identifaction

Product Name	RXSOL-60-6604-228
Product Type	CALCIUM HARDNESS INDICATOR
Revised date	

Company Details:

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

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Substance / Preparation : Calcium Hardness Indicator

Substance name	Contents	CAS No
2,4,6(1H,3H,5H)-Pyrimidinetrione, 5-[(hexahydro-2,4,6-trioxo-5-pyrimidinyl)imino] monoammonium salt	0.5	3051-09-0 0.5
Carboxymethylcellulose-	1-5	----------
Polyamino Carboxylic acid -	----------	
Lithium hydroxide	10	1310-65-2
Carbonate salt	10-15	----------
Potassium salt	35-45	---------

3. Hazards Identification

3.1 OSHA Regulatory Status
While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
3.2 Potential health effects
Principle Routes of Exposure
Skin and eye contact.
Acute toxicity
Eyes : May cause irritation.
Skin : May cause irritation.
Inhalation: Not an expected route of exposure.
Ingestion: May be harmful if swallowed. May cause gastrointestinal discomfort if consumed in large amounts.
Chronic effects : None known.
Aggravated Medical Conditions : None known.
Interactions with Other Chemicals : None known.
3.3 Emergency Overview : May cause skin and eye irritation May be harmful if swallowed Large oral doses may cause gastrointestinal irritation and circulatory problems
Environmental hazard : No information available.

4. First Aid Measures

4.1General advice : Do not get in eyes, on skin, or on clothing.
Eye contact : Immediately flush eyes with gentle stream of water for at least 15 minutes, occasionally lifting upper and lower eyelids. If irritation persists or develops, contact a physician.

Skin contact : Wash off with warm water and soap. If irritation develops or persists, consult physician.
Inhalation : Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and contact emergency personnel.
Ingestion : Drink plenty of water. Clean mouth with water. If gastrointestinal distress occurs contact physician. Consult a physician. Rinse mouth.
4.2 Self-protection of the first aider: Use personal protective equipment. See section 8 for more information. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. Fire-fighting Measures

Flammable properties : Not a fire hazard.
Flash point : Not Applicable
Suitable extinguishing media : Water spray, dry chemical, carbon dioxide (CO 2), or foam.

6. Accidental Release Measures

6.1 Personal precautions
See section 8. Avoid contact with the skin and the eyes.
6.2 Methods for containment: Sweep up in a manner that does not dispurse dust and shovel into suitable containers for disposal.
6.3 Methods for cleaning up
Containerize spill material and hold for later disposal. If local regulations permit, dissolve with large volume of water, neutralize with dilute acid (acetic, hydrochloric), then rinse to drain with excess water. After cleaning, flush away traces with water.

7. Handling and Storage

7.1 Handling
Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes, and clothing. Do not taste or swallow. Do not eat, drink, or smoke when using this product.
7.2 Storage
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. Keep away from heat, moisture, and incompatibles. Keep out of the reach of children.

8. Exposure controls and personal protection

8.1Engineering Measures
None under normal use conditions. For home use.
8.2 Personal protective equipment
Eye/Face Protection
Wear safety glasses with side shields (or goggles).
Skin and body protection
Wear latex or nitrile gloves.
Respiratory protection
None required under normal usage.
8.3 Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Wash hands and face before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product.

9. Physical and chemical properties

Odor : Odorless
Flash point : Not Applicable
Boiling point / boiling range : No information available
Explosion Limits : Not Applicable
Molecular weight : No data available
Stability : Stable.
Freezing Point : No information available
Water solubility : Soluble in water
Evaporation Rat: Not applicable
Flammability (solid,gas): No information available
Explosion Limits : No data available
Vapor Pressure: No data available
Vapor Density: Not applicable
Specific Gravity / Density: No data available
Bulk Density : No data available
Solubility in other solvents : No information available
Partition Coefficient (n-octanol/water)
Decomposition Temperature: No data available
Viscosity : Not applicable
Explosive Properties : No information available
Oxidizing Properties: No information available

10. Stability and reactivity

10.1. Reactivity
None known, based on information available
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
Hazardous Polymerization Hazardous polymerization does not occur.
Hazardous Reactions None under normal processing.
10.4. Conditions to avoid
Avoid dust formation.
10.5. Incompatible materials
No information available.
10.6. Hazardous decomposition products
No information available.

11. Toxicological information

Product Information No acute toxicity information is available for this product
(a) acute toxicity;
Oral Based on available data, the classification criteria are not met
Dermal Based on available data, the classification criteria are not met
Inhalation Based on available data, the classification criteria are
Toxicology data for the components

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium chloride	3 g/kg (Rat)	10 g/kg (Rabbit)	42 g/m3 (Rat) 1 h

(b) skin corrosion/irritation; No data available
(c) serious eye damage/irritation; No data available
(d) respiratory or skin sensitization;
Respiratory No data available
Skin No data available
(e) germ cell mutagenicity; No data available

(f) carcinogenicity; No data available
There are no known carcinogenic chemicals in this product
(g) reproductive toxicity: No data available
(h) STOT-single exposure: No data available
(i) STOT-repeated exposure: No data available
Target Organs : No information available.
(j) aspiration hazard: Not applicable
Symptoms / effects,both acute and delayed: No information available

12. Ecological information

12.1. Toxicity
Ecotoxicity effects Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.
12.2. Persistence and degradability
Persistence Soluble in water, Persistence is unlikely, based on information available.
Degradability Not relevant for inorganic substances.
12.3. Bioaccumulative potential Bioaccumulation is unlikely
12.4. Mobility in soil The product is water soluble, and may spread in water systems Will likely be mobile in the environment due to its water solubility. Highly mobile in soils
12.5. Results of PBT and vPvB
Assessment No data available for assessment.
12.6. Other adverse effects
Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors
Persistent Organic Pollutant This product does not contain any known or suspected substance
Ozone Depletion Potential This product does not contain any known or suspected substance

13. Disposal considerations

13.1. Waste treatment methods
Waste from Residues / Unused Products
Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.
Contaminated Packaging Empty remaining contents. Dispose of in accordance with local regulations. Do not re-use empty containers.
Other Information Waste codes should be assigned by the user based on the application for which the product was used.

14. Transport information

IMDG/IMO Not regulated
14.1. UN number
14.2. UN proper shipping name
14.3. Transport hazard class(es)
14.4. Packing group
ADR Not regulated
14.1. UN number
14.2. UN proper shipping name
14.3. Transport hazard class(es)
14.4. Packing group
IATA Not regulated

14.1. UN number
14.2. UN proper shipping name
14.3. Transport hazard class(es)
14.4. Packing group
14.5. Environmental hazards No hazards identified
14.6. Special precautions for user No special precautions required
14.7. Transport in bulk according to
Not applicable, packaged goods

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
No significant hazard. Safety phrases:
S2: Keep out of the reach of children.
S24/25: Avoid contact with skin and eyes.
Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
vPvB: very persistent and very bioaccumulative
Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
Further information : None.
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