

1. Product and Company Identification

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Product Name Calcium thiosulfate liquid
Part Number RXSOL-60-6203-025

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Chemical Name	Cas No	EC No	Weight	Formula
Calcium Thiosulfate, 6%	10124-41-1	233-333-7	152.21 g/mol	CaO ₃ S ₂
Calcium 10% Sulfur				

3. Hazards Identification

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Signal Word	Warning
Hazard Statements	Harmful if swallowed. Causes serious eye irritation. May cause respiratory irritation
Precautionary statements	Use only outdoors or in a well-ventilated area. Avoid breathing mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye/face protectionIf swallowed Call a poison center/doctor if you feel unwell. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. Rinse mouth. If eye irritation persists: Get medical advice/attention.
Classification of the substance or mixture	No data available
Supplemental Hazard Statements	No data available
Other hazards	No data available

4. First Aid Measures

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General advice	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention
Skin Contact	Immediately flush with large quantities of water. Remove contaminated clothing under a safety shower. Continue rinsing. Obtain medical attention if irritation occurs

Inhalation	Remove victim from contaminated atmosphere. If breathing is labored, administer oxygen. If breathing has ceased, clear airway and start CPR. Obtain medical attention.
Ingestion	Rinse mouth. IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell. If victim is conscious, give two to four glasses of water and induce vomiting by touching finger to back of throat. Obtain medical attention.
Most important symptoms and effects, both acute and delaye	Irritation of eyes and mucous membranes.
Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim warm. In case of shortness of breath, give oxygen. Keep victim under observation. Symptoms may be delayed.

5. Fire-fighting Measures

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Flammability	No data available
Suitable extinguishing media	Not flammable, use media suitable for combustibles involved in fire
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture	During fire, gases hazardous to health may be formed. Heating (flames) of closed or sealed containers may cause violent rupture of container due to thermal expansion of compressed gases. Heating causes release of ammonia vapors. Vapors are irritating to eyes, skin and respiratory tract. Heating to dryness may cause the release of ammonia, ammonium sulfate, sulfur and oxides of sulfur (respiratory hazard).
Further information	Move container from fire area if it can be done without risk.
Hazardous combustion products	Heating this product will evolve ammonia
Advice for firefighters	Move containers from fire area if you can do so without risk. Keep containers/storage vessels in fire area cooled with water spray.
Protective Equipment	Self-contained breathing apparatus and full protective clothing must be worn in case of fire
Specific Hazards Arising from the Chemical	No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	Keep people away from any upwind of spill/leak. Keep out of low areas. Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS
Spillage	No data available
Personal Protection	No data available
Environmental Precaution	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.
Methods and materials for containment and cleaning	Stop the flow of material, if this is without risk. Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.
Reference to other sections	No data available

7. Handling and Storage

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Handling	Do not taste or swallow. Avoid breathing mist or vapor. Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the SDS)

8. Exposure controls and personal protection

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Eye/face protection	Wear eye/face protection. Wear safety glasses with side shields (or goggles).
Skin protection	For prolonged or repeated skin contact use suitable protective gloves. Wear suitable protective clothing. Wash contaminated clothing prior to reuse
Body Protection	protective clothing
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment
Control of environmental exposure	Do not let product enter drains.
Hygiene measures	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.

9. Physical and chemical properties

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Physical state	Liquid
Colour	Colourless
Odour	Concrete to no odor
Odor Threshold	No data available
pH	6.5 - 8.0
Melting Point	32 °F (0° C) (Typical)
Boiling Point	222°F (106°C)
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Explosive limits	No Data Available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Vapour pressure	No data available
Viscosity	1-10 CPS at 21°C
Density	No data available
Relative Density	10.4 lbs/gal (1.25 kg/L)
Specific Gravity	No data available
Partition coefficient	No data available
Explosive properties	No data available
Solubility	Complete 100%
Ignition temperature	No data available
Particle characteristics	No data available

10. Stability and reactivity

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Reactivity	Avoid interaction with heat (flames), oxidizers, acids or alkalis (see details below in this section)
Chemical stability	Material is stable under normal conditions
Possibility of hazardous reactions	Strong oxidizers such as nitrates, nitrites or chlorates can cause explosive mixtures if heated to dryness
Conditions to avoid	Temperatures above 120°F (49°C) and below 32°F (0°C)
Incompatible materials	Aluminum, Copper, Copper alloys, Nickel, Zinc
Hazardous decomposition products	Heating this product will evolve ammonia. Heating to dryness will produce ammonia, ammonium sulfate, sulfur and oxides of sulfur.

11. Toxicological information

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Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitization	No data available
Carcinogenicity	No data available
Germ cell mutagenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Additional Information	No data available

12. Ecological information

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Persistence and degradability	No data available
Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity	No data available
Toxicity to bacteria	No data available
Toxicity to algae	No data available
Products Biodegradation	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Endocrine disrupting properties	No data available
Other adverse effects	No data available .

13. Disposal considerations

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Disposal consideration	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company
Waste residue product	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions)

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

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UN number

ADR/RID:- IMDG:- IATA:-

UN proper shipping name

ADR/RID:Not dangerous goods IMDG:Not dangerous goods IATA:Not dangerous goods

Transport hazard class(es)

ADR/RID:- IMDG:- IATA:-

Packaging group

ADR/RID:- IMDG:- IATA:-

Environmental hazards

ADR/RID: No IMDG: No IATA: No

Special precautions for user

No data available

Further information

No data available

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture

This product meets the criteria of the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Other regulations

No data available

Chemical Safety Assessment

For this product a chemical safety assessment has been carried out

16. Other information

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Other Information

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