



RXSOL

VARANASI CHEMICAL | RX MARINE INTERNATIONAL

Material Safety Data Sheet (MSDS)

RXSOL-40-4025-025

Corrosion Inhibitor Antifoulant Marine Anti Algae Insect Seaweed Barnacles

1. Product and Company Identification

www.rxmarine.com

Product Name	Iodine Titrating Solution 0.00625 Normal
Product Type	RXSOL-60-6223-100

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Iodine	CAS# 7553-56-2	<0.1%	W/V	OSHA PEL (C)0.1 ppm (1mg/mf)
Potassium Iodide	CAS# 7681-11-0	~5%	W/V	TXDS: orl-hmn LDLo:1862 mg/Kg
Water, Deionized ASTM Type II	CAS# 7732-18-5	90%	V/V	None Established

3. Hazards Identification

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May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Emergency Overview:Caution! Can cause severe eye, skin, and respiratory Irritation and burns. Inhalation of vapors and ingestion may be lethal

Inhalation::Vapors severely irritate and can burn the mucous membranes and respiratory tract. Excessive

tears, rhinitis, tightness in the chest, sore throat, headache and delayed pulmonary edema can result. Inhalation of concentrated vapors may be fatal.

Ingestion::Can cause severe burns oth the mouth, throat and stomach causes abdominal pain, diarrhea, fever, vomiting, stupor and shock. Probable lethal dose is 2 to 4 grams of free Iodine.

Skin:Contact may cause blistering burns, irritation, and pain. Vapors may be severely irritating to the skin.

Eye Contact:Vapors are severely irritating and may cause damage to the eyes. Contact may cause severe burns and permanent eye damage.

Chronic Exposure::Chronic exposure to Iodine may cause insomnia, conjunctivitis, inflammation of the nasal mucous, bronchitis, tremor, rapid heart beat, diarrhea and weight loss. Allergic sensitization may occur. Chronic Iodine overdoses have produced Iodism. Headaches, fever, sneezing, salivation, and skin rashes may occur.

Aggravated by Exposure:Persons with pre-existing skin disorders, eye problems, impaired respiratory function, or disease of the thyroid, lungs, or kidney may be more susceptible to the effects of the substance.

4. First Aid Measures

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May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

SKIN:	Wash exposed area with soap and water. If irritation persists, seek medical attention.
EYES:	Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid.
INHALATION:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen
INGESTION:	If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

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Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards:	None
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

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Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law

Ventilate Area of Leak or Spill. Keep Unnecessary and Unprotected People away from Area of Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 7. Contain and Recover Liquid when Possible. Collect Liquid in a Appropriate Container and Absorb with Dry Sand, Vermiculite, Earth or other Inert Substance and Package in a Suitable Container for Disposal. Do Not Flush to Sewer!

7. Handling and Storage

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Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

8. Exposure controls and personal protection

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Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Gloves to prevent skin exposure as rubber or vinyl
EYE PROTECTION	Safety Glasses w/Side Shields
Other Protective Equipment	Use safe laboratory handling procedures.

9. Physical and chemical properties

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BOILING POINT	>95°C
VAPOR PRESSURE	not available
MELTING POINT	<2°C
VAPOR DENSITY	not available
EVAPORATION RATE	1
Appearance /Odors	Brown liquid
Flash Point	Not applicable
Specific Gravity	~1.0
Percent Volatile by	95%
Evaporation Standard	1
Auto Ignition Temp	Not applicable
Lower Flamm. Limit in Air	Not applicable
Upper Flamm. Limit in Air	Not applicable
Solubility in Water	Soluble

10. Stability and reactivity

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STABILITY	Stable
CONDITIONS TO AVOID	Avoid contact with incompatible materials.
MATERIALS TO AVOID	Active metals, ammonia, acetylene, acetaldehyde
HAZARDOUS DECOMPOSITION PRODUCTS	None known.
HAZARDOUS POLYMERIZATION	will not occur
Conditions to Avoid	None known

11. Toxicological information

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Hydrogen Chloride - IARC Category 3, NTP Carcinogen - Known: No

12. Ecological information

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No Information Found..

13. Disposal considerations

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Disposal should be made in accordance with federal, state and local regulations.

14. Transport information

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DOT Classification: UN1789, Hydrochloric Acid Solution, 8,PG II

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

15. Regulatory information

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All components listed on TSCA Inventory.

16. Other information

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Conditions aggravated/target organs: Persons with pre-existing skin, eye, thyroid, and respiratory disorders, as well as persons with iodine allergies, will be more susceptible. May cause skin and eye irritation. Conditions aggravated: Thyroid disorders, iodine allergies.

Flammability

Health

Reactivity

Revisions	NFPA
7/28/2010	0.1 updated msds to 16 section from 10 section msds. STN
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