Material Safety Data Sheet

Potassium Iodide 5% Solution (RXSOL-60-6226-500)

1. Product and Company Identifaction

Product Name	Potassium Iodide 5% Solution
Product Type	RXSOL-60-6226-500

Company Details:

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

Phone	+91 22 65113333 / 5555 / 9999
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
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	95%	V/V	None Established

3. Hazards Identification

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:Large Doses may Cause Gastrointestinal Upset.

Inhalation:No Adverse Health Effects Expected from Inhalation.

Ingestion:Large Doses may Cause Gastrointestinal Upset.

Skin:No Adverse Effects Expected.

Eye Contact:No Adverse Effects Expected.

Chronic Exposure:No Information Found.

Aggravated by Exposure:No Information Found.

4. First Aid Measures

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

Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards:	Thermal decomposition produces highly toxic fumes.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

Absorb spill with inert material. Flush excess down drain. Ventilate Area of Leak or Spill. Keep Unnecessary and UnprotectedPeople away from Area of of Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. 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

7. Handling and Storage

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

8. Exposure controls and personal protection

Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Gloves to prevent skin exposure as rubber or vinyl
EYE PROTECTION	Splash Goggles
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

BOILING POINT	~100°C
VAPOR PRESSURE	not available
MELTING POINT	~0°C
VAPOR DENSITY	not available
EVAPORATION RATE	information not available
Appearance /Odors	Clearless liquid,odorless
Flash Point	Not applicable
Specific Gravity	~1
Percent Volatile by Evaporation Standard	95%

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

STABILITY	Stable
CONDITIONS TO AVOID	Suitable Container for Disposal. Do Not Flush to Sewer! Avoid exposure to light and air
MATERIALS TO AVOID	Reducing agents, acids, brass,magnesium, zinc, cadmium, copper, tin,
HAZARDOUS DECOMPOSITION PRODUCTS	Hydrogen iodide, iodine under fire conditions
HAZARDOUS POLYMERIZATION	will not occur
Conditions to Avoid	None known

11. Toxicological information

Carcinogenic References: IARC Category- None, NTP Carcinogen - Known: No

12. Ecological information

Environmental Fate:No Information Found.

Environmental Toxicity:No Information Found.

13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport information

DOT Classification: Not Regulated

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

15. Regulatory information

Chemical Inventory Status –
Part 1:Ingrdient
Potassium Iodide (7681-11-0)
Water (7732-18-5)
TSCA Yes Yes
EC Yes Yes
Japan No Yes
Australia Yes Yes

Chemical Inventory Status –
Part 2:Ingredient
Potassium Iodide (7681-11-0)
Water (7732-18-5)
Korea Yes Yes
DSL Yes Yes
NDSL No No
Phil. Yes Yes

Federal, State & International Regulations –
Part 1: Ingredient.
Potassium Iodide (7681-11-0)
Water (7732-18-5)
RQ NO No
TPQ No Yes
List Yes No
Chemical Catg No No

Federal, State &
International Regulations –
Part 2:Ingredient
Potassium Iodide (7681-11-0)
Water (7732-18-5)
CERCLA No No
261.33 No No
8(d) No No

Chemical Weapons Convention:No
TSCA 12 (b):No
CDTA:No Mixture/Liquid)
SARA 311/312: Acute: Yes
Chronic: Yes
Fire: No
Pressure: No
Reactivity: No

Australian Hazchem Code: None allocated
Poison Schedule: None allocated

16. Other information

Irritant! Possible Teratogen! Conditions aggravated/target organs:Persons with preexisting skin, eye or respiratory conditions may be more susceptible. Acute: Irritation to skin, eyes, mucous membranes and respiratory tract. Chronic: none known.

Flammability

Health Reactivity

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