

1. Product and Company Identification

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Product Name

Isopropanol (Isopropyl Alcohol ,2-propanol)

Part Number

RXSOL-60-6230-005

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 / Information on ingredients

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SARA 313	Component	CAS Number	Percent	Dimension	Exposure Limits
	Isopropyl Alcohol	67-63 0	100%	V/V	OSHA TWA 400 ppm, STEL 500 ppm

3. Hazards Identification

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Keep away from heat ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Emergency Overview:

Warning! Flammable liquid and vapor. Harmful if swallowed or inhaled. Causes irritation to eyes and respiratory tract. Affects central nervous system. May be harmful if absorbed through skin. May cause irritation to skin.

Inhalation:

Inhalation of vapors irritates the respiratory tract. Exposure to high concentrations has a narcotic effect, producing symptoms of dizziness, drowsiness, headache, staggering, unconsciousness and possibly death.

Ingestion:

Can cause drowsiness, unconsciousness, and death. Gastrointestinal pain, cramps, nausea, vomiting, and diarrhea may also result. The single lethal dose for a human adult is approximately 250 ml (8 ounces).

Skin:

May cause irritation with redness and pain. May be absorbed through the skin with possible systemic effects.

Eye Contact:

Vapors cause eye irritation. Splashes cause severe irritation, possible corneal burns and eye damage.

Chronic Exposure:

Chronic exposures may cause skin effects.

Aggravated by Exposure:

Persons with pre-existing skin disorders or impaired liver, kidney, or pulmonary function may be more susceptible to the effects of this agent.

4. First Aid Measures

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

FIRST AID:

SKIN:

Remove contaminated clothing. 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

INGESTION:

breathing is difficult, give oxygen
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:
Fire/Explosion Hazards:

Water spray, dry chemical, carbon dioxide, alcohol foam
FLAMMABLE! Vapor air mixtures are explosive within flammable limits noted. Vapors may travel to distant ignition source and flash back.

Firefighting Procedure:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing

6. Accidental Release Measures

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Eliminate ignition sources. Absorb with vermiculite or other inert material. Place in container. Ventilate area or leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! US regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities.

7. Handling and Storage

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Keep away from heat and flame. Do not get in eyes, on skin, on clothing. Use with adequate ventilation.

8. Exposure controls and personal protection

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Respiratory protection
Ventilation
Protective gloves
Eye protection
Other protective equipment

Organic Vapor Cartridge
Local Exhaust Mechanical
NIOSH Approved gloves
Splash Goggles
Wear appropriate clothing to prevent skin exposure.

9. Physical and chemical properties

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Melting Point	128°F (-89°C)
Boiling Point	180°F (82°C)
Vapor Pressure	33 mm Hg @ 77°F (25°C)
Vapor Density	2.1 (air=1)
Solubility In Water	Soluble
Appearance/Odors	Clear liquid, mild alcohol odor
Flash Point	54°F (12°C)
Percent Volatile By Volume	> 99
Evaporation Rate	Information not available
Evaporation Standard	
Auto Ignition Temp	399°C
Lower Flamm. Limit In Air	2.0%
Upper Flamm. Limit In Air	12.0%
Specific Gravity	0.79 @ 20°C

10. Stability and reactivity

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Stability
Conditions to Avoid
Materials to Avoid
Hazardous Decomposition Products

Stable
Avoid contact with heat, sparks, flames, or other sources of ignition.
Strong oxidizing agents, metals, bases, amines
Oxides of carbon

Hazardous Polymerization
Conditions to Avoid

Will not occur
known

11. Toxicological information

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Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- 3

12. Ecological information

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Environmental Fate: When released to the soil and water, this material may evaporate to a moderate extent. When released into the soil, this material may leach into groundwater. When released into water, this material is expected to have a half-life between 1 and 10 days. Environmental Toxicity: The LC50/96-hour values for fish are over 100 mg/l. This material is not expected to be toxic to aquatic life.

13. Disposal considerations

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Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste 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

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DOT Classification: Isopropanol Solution, 3, UN1219, PG II

DOT regulations may change from time to time. Please consult the most recent DOT regulations.

15. Regulatory information

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Chemical Inventory Status

Part 1:Ingredient

Isopropyl Alcohol (67-63-0)

TSCA	Yes
EC	Yes
Japan	Yes
Australia	Yes

Chemical Inventory Status

Part 2:Ingredient

Isopropyl Alcohol (67-63-0)

Korea	Yes
DSL	Yes
NDSL	No
Phil.	Yes

Federal, State & International Regulations

Part 1: Ingredient

Isopropyl Alcohol (67-63-0)

RQ	No
TPQ	No
List	No
Chemical Catg	No

Federal, State & International Regulations

Part 2:Ingredient

Isopropyl Alcohol (67-63-0)

CERCLA	No
261.33	No
8(d)	No
Chemical Weapons Convention	No
TSCA 12 (b)	No
CDTA	Yes Mixture/Liquid
SARA 311/312 : Acute	Yes
Chronic	Yes
Fire	Yes
Pressure	No
Reactivity	No
Australian Hazchem Code	2S 2
Poison Schedule	None allocated

16. Other information

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