

1. Product and Company Identification

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Product Name : DI ISOPROPYL AMINE
Part Number : RXSOL-19-1137-025

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Name of Substance	Cas Number
DI ISOPROPYL AMINE	108-18-9

3. Hazards Identification

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Signal Word	Danger
Hazard Statements	H225 Highly flammable liquid and vapour. H302 Harmful if swallowed.H314 Causes severe skin burns and eye damage if inhaled.
Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 Wear protective clothing/ eye protection/ face protection. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340 + P310 IF INHALED: Remove person to fresh air. If breathing is uncomfortable for breathing. Immediately call a POISON CENTER/doctor. P305 + P351 + P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P403 + P233 Store in a cool, dry place. Keep container tightly closed.
Supplemental Hazard Statements	none
Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Lachrymator., Rapidly absorbed through skin.
Classification according to Regulation (EC) No 1272/2008	Flammable liquids (Category 2), H225 Acute toxicity, Oral (Category 4), H302 Acute toxicity, Inhalation (Category 2), H314 Causes severe skin burns and eye damage if inhaled, H314 For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First Aid Measures

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General advice	Consult a physician. Show this safety data sheet to him/her.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash with plenty of water. Remove victim immediately to hospital. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to someone who is unconscious. Consult a physician.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are those mentioned in the Hazard Statements.
Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

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Suitable extinguishing media

Special hazards arising from the substance or mixture

Advice for firefighters

Further information

Use water spray, alcohol-resistant foam, dry chemical.

Carbon oxides, Nitrogen oxides (NOx) Flash back explosion may occur under fire conditions.

Wear self-contained breathing apparatus for firefighting

Use water spray to cool unopened containers

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Enviromental Precaution

Methods and materials for containment and cleaning up

Reference to other sections

Wear respiratory protection. Avoid breathing vapours from all sources of ignition. Evacuate personnel to safe areas if explosive concentrations. Vapours can accumulate in low-lying areas.

Prevent further leakage or spillage if safe to do
environment must be avoided.

Contain spillage, and then collect with an electric vacuum. Place in container for disposal according to local regulations.

For disposal see section 13.

7. Handling and Storage

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Precautions for safe handling

Conditions for safe storage, including any incompatibilities

Specific end use(s)

Avoid contact with skin and eyes. Avoid inhalation. Ignition - No smoking. Take measures to prevent the

Store in cool place. Keep container tightly closed in original container. Containers that are opened must be carefully resealed and kept upright to prevent leakage.
Flammable liquids

No other specific uses are stipulated

8. Exposure controls and personal protection

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Engineering Control

Personal Protection

Avoid contact with skin, eyes and clothing. Wash hands after use of product.

Eye/face protection Equipment : Eye/face protection equipment (minimum). Use equipment for eye protection standards such as NIOSH (US) or EN 166(EU).

Skin protection : Handle with gloves. Gloves must be changed immediately after each technique (without touching glove's outer surface) and contaminated gloves after use in accordance with applicable law and good practice. Always decontaminate dry hands. The selected protective gloves have to be in accordance with the standard EN 374 derived from it.

Full contact Material: Nitrile rubber Minimum I. used in solution, or mixed with other substances, as the supplier of the CE approved gloves. This recommendation is for an industrial situation of anticipated use by our approval for any specific use scenario.

Body Protection : Complete suit protecting against clothing., The type of protective equipment must be determined by the nature and concentration of the dangerous substance at the specific workplace. When full-body protective suits are appropriate use (US) or equivalent protection. As a minimum backup to engineer protection, use a full-face suit with supplied air. The suit must be properly tested and approved under appropriate government standards.



9. Physical and chemical properties

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Form	liquid, clear
Colour	colourless
Odour	Ammonia odor
Initial boiling point and boiling range	84 °C - lit.
Melting point/freezing point	Melting point/range: 61 °C - lit.
Flash Point	-16.99 °C - closed cup
pH	No Data Available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper explosion limit	Upper explosion limit: 8.5 %(V)
Lower explosion limit	Lower explosion limit: 1.1 %(V)
Explosive properties	No data available
Vapor pressure	50 mmHg at 20 °C
vapor density	3.49 - (Air = 1.0)
Relative density	0.722 g/mL at 25 °C
Water solubility	110 g/l at 25 °C - completely soluble
Solubility in other solvents	No data available
Partition coefficient: octanol	log Pow: 0.4 at 20 °C
Autoignition temperature	295 °C at 1,007 hPa
decomposition temperature	No data available
Viscosity, kinematic	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Relative vapour density	3.49 - (Air = 1.0)

10. Stability and reactivity

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Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Incompatible materials	Strong acids, Strong bases, Strong oxidizing agents, Plastics
Hazardous Decomposition	Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx) Other products - No data available In the event of fire: see section 5
Condition to Avoid	Heat, flames and sparks.

11. Toxicological information

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Acute toxicity	LD50 Oral - Rat - male and female - 420 mg/kg(Diisopropylamine) LC50 Inhalation - Rat - male and female - 1.5 mg/l(Diisopropylamine) (OECD Test Guideline 403) LD50 Dermal - Rabbit - > 10,000 mg/kg(Diisopropylamine)
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Subsidiary risk IATA	3 (8)
Packing group	
Packing group	ADR/RID: II IMDG: II IATA: II
Environmental hazards	
Environmental hazards	ADR/RID: no IMDG Marine pollutant: no IATA: no
Special precautions for use	No data available

15. Regulatory information

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Regulations Safety, health and environmental regulations/legislation specific for the substance or mixture	This safety datasheet complies with the requirements of the EU REACH regulation.
Chemical safety assessment	For this product a chemical safety assessment was not required.

16. Other information

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Other Information

The information above is believed to be accurate and reliable. However, we make no warranty of accuracy, completeness or reliability, implied, with respect to such information, and we do not accept any liability for any loss or damage, including lost profits or any special, indirect, incidental, or consequential damages, arising, even if **Rx Marine International** has been advised of the possibility of such damages.

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