

1. Product and Company Identification

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Product Name DI ISOPROPANOL AMINE
Part Number RXSOL-20-1136-200

Company Details:

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

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2. Composition / Information on ingredients

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Product name	Cas No	Weight	Formula
Diisopropanolamine	110-97-4	>95	C ₆ H ₁₅ NO ₂

3. Hazards Identification

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Signal Word	Warning
Hazard Statements	Causes serious eye irritation.
Precautionary statements	Prevention Wash face, hands and any exposed skin thoroughly after handling Wear eye/face protection Eyes IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. ContinuerinsingIf eye irritation persists: Get medical advice/attention
Classification of the substance or mixture	No data available
Supplemental Hazard Statements	No data available
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.

4. First Aid Measures

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General advice	Treat symptomatically
If inhaled	No data available
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Swallowed	After swallowing: immediately make victim drink water (two glasses at most). Consult a physician. 4.2 Most important
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention.
Inhalation	Remove from exposure, lie down. Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
Ingestion	Clean mouth with water. Get medical attention.

Most important symptoms and effects, both acute and delaye

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting Measures

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Flammability

No data available

Suitable extinguishing media

Water spray. Carbon dioxide (CO₂). Dry chemical. Chemical foam

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture

Keep product and empty container away from heat and sources of ignition

Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

Hazardous combustion products

Nitrogen oxides (NO_x). Carbon monoxide (CO). Carbon dioxide (CO₂).

Advice for firefighters

No data available

Protective Equipment

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific Hazards Arising from the Chemical

No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

No data available

Spillage

No data available

Personal Protection

Ensure adequate ventilation. Use personal protective

Environmental Precaution

No data available

Methods and materials for containment and cleaning

Sweep up and shovel into suitable containers for disposal

Reference to other sections

For disposal see section 13.

7. Handling and Storage

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Advice on protection against fire and explosion

No data available

Incompatible materials

No data available

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice

Advice on safe handling

Avoid contact with skin and eyes. Do not breathe mist/vapors/spray.

Conditions for safe storage including any incompatibilities

No data available

Storage conditions

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Store under an inert atmosphere. Incompatible Materials. Strong oxidizing agents. Strong acids. Acid anhydrides. Acid chlorides. Isocyanates

Storage class

Storage class (TRGS 510) 13 Non Combustible Solids

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Advice on general occupational hygiene

No data available

8. Exposure controls and personal protection

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Exposure controls

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Engineering Control

Ensure adequate ventilation, especially in confined areas. Ensure that

Eye/face protection	eyewashstationsand safety showers are close to the workstation location Wear appropriate protective eyeglasses or chemical safety goggles as describedbyOSHA's eye and face protection regulations in 29 CFR 1910.133 or EuropeanStandardEN166.
Body Protection	Protective clothing.
Skin protection	Wear appropriate protective gloves and clothing to prevent skin exposure
Respiratory protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or EuropeanStandardEN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced
Other Protection Measure	No data available

9. Physical and chemical properties

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Physical state	Liquid
Colour	Clear
Odour	Amine compounds
Odor Threshold	No data available
pH	11.4 100 g/L aq.sol
Melting Point	33 °C / 91.4 °F
Boiling Point	249 - 250 °C / 480.2 - 482 °F @760 mmH
Flash Point	126 °C / 258.8 °F
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data Available
Upper/lower flammability or explosive limits	Upper explosive limit:5.40% Lower explosive limit:1.10%
Autoignition temperature	370 °C / 698 °F
Decomposition temperature	No data available
Vapour pressure	0.02 mmHg @ 42 °C
Viscosity	84.19 mPa.s @ 60°C
Density	No data available
Relative Density	No data available
Specific Gravity	1.004
Partition coefficient	No data available
Explosive properties	No data available
Solubility	1,3376 g/l at 20 °C - Regulation (EC) No. 440/2008, Annex, A.6
Ignition temperature	No data available
Particle characteristics	No data available

10. Stability and reactivity

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Reactivity	No data available
Chemical stability	Hygroscopic
Possibilityof hazardous reactions	No data available
Conditions to avoid	Incompatible products. Exposure to moist air or water.
Incompatible materials	Strong oxidizing agents, Strong acids, Acid anhydrides, Acid chlorides, Isocyanates
Hazardous decomposition products	Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)

11. Toxicological information

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Acute toxicity	Diisopropanolamine LD50 = 4765 mg/kg (Rat) LD50 = 8000 mg/kg (Rabbit)
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	Persistence is unlikely
Toxicity to fish	LC50 1000 - 2200 mg/L, 96h static (Brachydanio rerio)
Toxicity to daphnia and other aquatic invertebrates	EC50 = 277.7 mg/L, 48h (Daphnia magna Straus)
Toxicity	No data available
Toxicity to bacteria	No data available
Toxicity to algae	EC50 = 270 mg/L, 72h (Desmodesmus subspicatus)
Products Biodegradation	No data available
Mobility in soil	Will likely be mobile in the environment due to its water solubility
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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Product	No data available
Contaminated packaging	No data available
Waste treatment Method	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

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 material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Other regulations	No data available
Chemical Safety Assessment	A Chemical Safety Assessment was not carried out for this substance.

Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.

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