

DI ISOPROPANOL AMINE

Part No. RXSOL-20-1136-200 — Generated 10 Oct 2026

1. Product and Company Identification

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

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / information on ingredients

Product name	Cas No	Weight	Formula
Diisopropanolamine	110-97-4	>95	$C_6H_{15}NO_2$

3. Hazards Identification

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. Continue rinsing If 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

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 delayed	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

Flammability	No data available
Suitable extinguishing media	Water spray. Carbon dioxide (CO ₂). 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 (CO ₂).
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

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

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

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 eyewash stations and safety showers are close to the workstation location
Eye/face protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
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 European Standard EN 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

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

Reactivity	No data available
Chemical stability	Hygroscopic
Possibility of 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

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

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

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

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

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.

16. Other information

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. DISCLAIMER OF LIABILITY : The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.
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