Material Safety Data Sheet

AMERZAMINE (RXSOL-14-5005-554)

1. Product and Company Identifaction

Product Name	:	RXSOL-14-5005-554
Product Type	:	AMERZAMINE

Company Details:

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

Stock Point : Mumbai, Kandla, Kolkata, Visakhapatanm - Gangavaram, Chennai - Ennore, Fujairah

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2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
2-Amino Ethanol	5-10	141-43-5	205-483-3	20, 36/37/38	Xn
2-Diethyl Amino Ethanol	1-10	100-37-8	202-845-2	10, 20/21/22, 34	C
Dioctylamine C16H35N	5-9	7681-52-9	1120-48-5		
Propreitory Ingredients including Hydrazine	60-100	-	-	-	-

3. Hazards Identification



Corrosive

Odour	Slight smell of ammonia.
Appearance	Liquid, pale yellow, soluble in water.
Contact with eyes	Vapours or aerosols may cause irritation of eyes, nose and respiratory tract

Contact with skin	May cause redness and irritation.
Inhalation	Vapours or aerosols may cause irritation of eyes, nose and respiratory tract.
Ingestion	Not regarded as a potential route of exposure., In cases of severe exposure,Gastro-intestinal disturbances may develop.

4. First Aid Measures

Contact with skin	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water.When in doubt or symptoms persist, seek medical attention Contaminated clothing should be laundered before reuse
Contact with eyes	If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes.Seek medical advice
Ingestion	Do not induce vomiting.Never give anything by mouth to an unconscious person.Give 200-300mls (half pint) water to drink.Seek immediate medical attention
Inhalation	Remove patient to fresh air.Seek medical attention if ill effects occur
General	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

5. Fire-fighting Measures

Flammability	May be combustible at high temperature.
Suitable extinguishing media	Foam Carbon dioxide (CO2) Dry powder.
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture	Carbon oxides Nitrogen oxides (NOx) Combustible. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire.
Further information	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system
Hazardous combustion products	No data available
Advice for firefighters	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing
Protective Equipment	No data available
Specific Hazards Arising from the Chemical	No data available

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Avoid generation and inhalation of dusts in all circumstances. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8
Personal Protection	Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: Protective equipment see section 8.
Enviromental Precaution	Do not let product enter drains.
Methods and materials for containment and cleaning	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Advice on safe handling	For precautions see section 2.2.
Incompatible materials	Keep away from alkalis, strong oxidizing agents and metals. Provide containment walls of adequate capacity to hold any accidental spills.
Hygiene measures	Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2.
Advice on safe handling	No data available
Conditions for safe storage, including any incompatibilities	Storage conditions No metal containers. Tightly closed. Do not store near acids. Storage stabilityRecommended storage temperature
Storage conditions	Tightly closed.
Storage class	Storage class (TRGS 510): 8A: Combustible, corrosive hazardous materials
Specific end use(s)	Storage class (TRGS 510): 8A: Combustible, corrosive hazardous materials
Advice on general occupational hygiene	No data available

8. Exposure controls and personal protection

Exposure controls	Ingredients with workplace control parameters.
Engineering Control	Personal protective equipmen
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles
Body Protection	Protective clothing
Skin protection	required
Respiratory protection	Required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type ABEK The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.
Other Protection Measure	Handle in accordance with good industrial hygiene and safety practice.
Control of environmental exposure	Do not let product enter drains.


Goggles


Gloves


Suit


Respirator

9. Physical and chemical properties

Odour	Slight smell of ammonia
Appearance	Liquid, pale yellow, soluble in water
PH	11.5 - 12.5 at 100 % concentration, pH 10 at 1 % concentration
Boiling point	~ 100 °C at 760 mm /Hg
Vapour pressure	not known

Vapour density	not known
Freezing point	~ 0 °C at 760 mm/Hg
Completely soluble in water	
Specific gravity (water=1)	1.0
Not flammable	

10. Stability and reactivity

Reactivity	Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions	No data available
Conditions to avoid	Strong heating.
Incompatible materials	Strong acids
Hazardous decomposition products	In the event of fire: see section 5

11. Toxicological information

Toxicological information	LD50 (oral,rat) 2100 mg/kg.(2-Aminoethanol).LD50 (oral,rat) 1320 mg/kg.(2-Diethylaminoethanol)
Inhalation	In cases of severe exposure, irritation may develop
Contact with skin	Causes irritation
Contact with eyes	Causes redness and irritation
Ingestion	The ingestion of significant quantities may cause gastro-intestinal disturbances
Carcinogenicity	No evidence of carcinogenic effects

12. Ecological information

Persistence and degradability	Biodegradability
Toxicity to fish	Toxicity to fish LC50 - Danio rerio (zebra fish) - 0,54 mg/l - 96,0 h
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity	No data available
Toxicity to bacteria	No data available
Toxicity to algae	No data available)
Products Biodegradation	No data available
Mobility in soil	No data available

Results of PBT and vPvB assessment	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.
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other adverse effects	No data available

Ecotoxicity	This product does not contain ingredients which are classified in the EU as dangerous for the environment.
Mobility	Completely soluble in water
Persistence and Biodegradability	The components in this product are readily biodegradable.
Bioaccumulation Potential	Bioaccumulation of the components in this product is insignificant.
Other Adverse Effects	No environmental problems are expected when the product is used / handled correctly . In its intended use, the product will not be released into the environment.Presents little or no hazard to the aquatic environment.

13. Disposal considerations

Classification	EU Waste class: 07.01
Disposal considerations	Do not discharge into drains or the environment, dispose to an authorised waste collection point. Disposal should be in accordance with local, state or national legislation

14. Transport information

- Not classified as hazardous for transport

15. Regulatory information

Risk Phrases	Irritating to eyes, respiratory system and skin (R36/37/38)
Safety Phrases	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26).Wear suitable gloves and eye/face protection (S37/39)

16. Other information

Text of R and S phrase codes used In this safety data sheet :- R10: Flammable; R20 : Harmful by inhalation;
R20/21/22: Harmfulby inhalation, in contact with skin and if swallowed;
R34: Causes burns;
R36/37/38: Irritating to eyes, respiratory system and skin.The information provided about the product on t his Safety Data Sheet has been compiled from knowledge of the individual constituents. Thedata given here is based on current knowledge and experience .
This Safety Data Sheet describes the productIn terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s).The product is not sold as suitable For othe r applications - usage in such may cause risks not mentioned in this sheet.
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This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)
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