Material Safety Data Sheet

ACID THICKNER (RXSOL-19-1999-025)

1. Product and Company Identifaction

Product Name	Acid Thickner EBV RXSOL
Part Number	RXSOL-19-1999-025

Company Details:
RX MARINE INTERNATIONAL
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VASHI ,NEW BOMBAY 400703 INDIA

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2. Composition / informationon ingredients

Substances : -

Chemical Name	Cas No.	Percentage
Amines, Tallow Alkyl, Ethoxylated	61791-26-2	50% - 80 %
Amines, N-tallow alkyltrimethylenedi-, ethoxylated	61790-85-0	20% - 50 %

3. Hazards Identification

Emergency Overview : Corrosive
Keep away from heat and sources of ignition. Combustible Liquid.

Potential Health Effects:

Inhalation	:	Can cause severe eye, skin and respiratory tract burns. Risk of serious damage.to the lungs (by inhalation). May cause nose, throat, and lung irritation. Inhalation of aerosol may cause irritation to the upper respiratory tract.
Eye contact	:	Causes eye burns. May cause blindness.
Skin contact	:	Causes skin burns
Ingestion	:	If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.
Chronic Health Hazard	:	This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.
		Exposure Guidelines
Target Organs	:	Skin.

4. First Aid Measures

General advice : Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

Eye contact : Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.

Skin contact : Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Initiate and maintain

continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing.

Ingestion : Do not induce vomiting without medical advice. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

Inhalation : If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.

5. Fire-fighting Measures

Suitable extinguishing media	:	Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Dry sand.Limestone powder.
Specific hazards	:	Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. In the event of fire, cool tanks with water spray . Downwind personnel must be evacuated. Fire or intense heat may cause violent rupture of packages. May form explosive mixtures in air.
Protective equipment for fire-fighters	:	Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

Further information : Do not allow run-off from fire fighting to enter drains or water courses., Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental Release Measures

Personal precautions : Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing. Remove all sources of ignition. Evacuate personnel to safe areas.

Environmental precautions : Construct a dike to prevent spreading. Shut off or remove all ignition sources. Construct a dike to prevent spreading.

Methods for cleaning up : Contact Air Products' Emergency Response Center for advice. Approach suspected leak areas with caution. Absorb with inert absorbent materials such as: Dry sand. Vermiculite. Activated charcoal. Place in appropriate chemical waste container.

Additional advice : Open enclosed spaces to outside atmosphere. If possible, stop flow of product.

7. Handling and Storage

Handling : Use well-ventilated areas. Avoid breathing vapors and/or aerosols. Avoid contact with skin and eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use personal protective equipment. When using, do not eat, drink or smoke.

Storage : Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat and sources of ignition. Keep in a dry, cool place. Keep away from oxidizers.

Technical measures/Precautions: Keep away from open flames, hot surfaces and sources of ignition.

8. Exposure controls and personal protection

Engineering measures : Apply process controls to ensure safe operating conditions. Assess potential flammability hazards based on flashpoint and potential ignition sources. Ensure adequate ventilation. Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Personal protective equipment : -

Respiratory protection		Wear appropriate respirator when ventilation is inadequate.
Hand protection		Neoprene gloves. Impervious gloves.The breakthrough time of the selected glove(s) must be greater than the intended use period.
Eye protection		Full face shield with goggles underneath.
Skin and body protection		Impervious clothing.Skin and body protection :Full rubber suit (rain gear). Rubber or plastic boots. Slicker Suit.

Environmental exposure controls		Construct a dike to prevent spreading. Shut off or remove all ignition sources.
Special instructions for protection and hygiene		Discard contaminated leather articles. Provide readily accessible eye wash stations and safety showers. Wash at the end of each workshift and before eating, smoking or using the toilet. Provide readily accessible eye wash stations and safety showers.

9. Physical and chemical properties

Appearance Form:	Liquid, clear
Colour:	Colourless
Odour	No data available
Odour Threshold	Ammoniacal.
pH	No data available
Boiling point	> 220 °F (> 104.4 °C)
Evaporation rate	No data available
Vapour pressure	59,5 hPa at 20,0 °C
Vapour density	No data available
Water solubility	completely soluble
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Other safety information: No data available

10. Stability and reactivity

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Incompatible materials	Alkali metals, Ammonia, Oxidizing agents, Peroxides
Hazardous decomposition products	Other decomposition products - No data available In the event of fire: see section 5

11. Toxicological information

Acute Health Hazard :

Ingestion		LD50 : 1,000 - 2,000 mg/kg Species : Rat.
Inhalation		No data is available on the product itself.
Dermal		No data is available on the product itself.

12. Ecological information

Ecotoxicity effects

Aquatic toxicity	:	(96 h) : 1 mg/l Species : Fish.EC50 (48 h) : 1 mg/l Species : Daphnia.
Toxicity other Organisms	:	No data available.

Persistence and degradability :

Biodegradability	:	No data is available on the product itself.

Mobility	:	No data available.
Bioaccumulation	:	No data is available on the product itself.

13. Disposal considerations

Dispose of container and unused contents in accordance with federal, state, and local requirements.

14. Transport information

DOT

UN proper shipping name	Amines, liquid, corrosive, n.o.s., (Amines, N-tallow alkyltrimethylenedi-, ethoxylated)
Class or Division	8
Packaging group	III
Label(s)	8
Marine Pollutant	No

IATA

UN proper shipping name	Amines, liquid, corrosive, n.o.s., (Amines, N-tallow alkyltrimethylenedi-, ethoxylated)
Class or Division	8
Packaging group	III
Label(s)	8
Marine Pollutant	Yes

IMDG

UN proper shipping name	Amines, liquid, corrosive, n.o.s., (Amines, N-tallow alkyltrimethylenedi-, ethoxylated)
Class or Division	8
Packaging group	III
Label(s)	8
Marine Pollutant	Yes

15. Regulatory information

OSHA Hazard Communication Standard (29 CFR 1910.1 200) Hazard Class(es)
Corrosive. Combustible Liquid.

Country	Regulatory list	Notification
USA	TSCA	Included on Inventory.
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
Canada	DSL	Included on Inventory.
Australia	AICS	Included on Inventory.
Japan	ENCS	Included on Inventory.
South Korea	ECL	Included on Inventory.
China	SEPA	Included on Inventory
Philippines	PICCS	Included on Inventory.

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level : None.
WHMIS Hazard Classification : Combustible Liquid, Corrosive Material

16. Other information

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