Material Safety Data Sheet

Oleic Acid (RXSOL-14-1538-210)

1. Product and Company Identifaction

Product Name	RXSOL-10-1005-025
Product Type	OLEIC ACID

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

Branch Stock Point ::: Mumbai, Kandla, Chennai - Ennore, visakhapatnam, Kolkata, Fujairah, Muscat Barka

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2. Composition / informationon ingredients

Chemical characterization : Oleic acid is a fatty acid that occurs naturally in various animal and vegetable fats and oils. It is an odorless, colorless oil, Although commercial samples may be yellowish.
In chemical terms, oleic acid is classified as a monosaturated omega -9 fatty acid, abbreviated with a lipid number of 18:1 cis-9.
It has the formula CH3(CH2)7CH=CH(CH2)7COOH.The name derives from the Latin word oleum, which means oil.
It is the most common fatty acid in nature.The salts and esters of oleic acid are called oleates.

3. Hazards Identification

Oleic acid 112-80-1 100 Toxicological Data on Ingredients: Oleic acid: ORAL (LD50): Acute: 25000 mg/kg [Rat]. 28000 mg/kg [Mouse].
Potential Acute Health Effects: In case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

4. First Aid Measures

Inhalation	Supply fresh air on irritation medical attention require & show this MSDS to physician.
Skin Contact	In case of contact with skin , wash immediately with plenty of water and soap Remove contaminated clothes. On extra irritation use ointement on Doctor advice.
Eye Contact	Flush with running water on open eyelids for at least 15 minutes, Immediately medical attention require.
Ingestion	Seek medical attention , don't try to drink more water / milk because too much water increase the danger of vomiting . (on vomiting always keep head low to prevent inhalation of airways)

5. Fire-fighting Measures

Suitable	Water, Fog or Mist, Alcohol-resistant foam, on small fires dry chemical, carbon dioxide (CO2) also can used.
Not Suitable	Alcohol foam / and high pressure of water jet may cause splitting of excess materials.

Special	Container close to fire cooled immediately then remove to other place.

Precaution for fire-fighters Self contained breathing apparatus or apparatus should attached to air supply.

Note:Fired materilas vapours are heavier than air and may travel along the ground for.

6. Accidental Release Measures

Enviromental Precaution	Store in Cool and dry place
Cleaning Method	For preventing the spreading of materials remove spill mechanically or with absorbent materials and dispose of in accordance with section 13.Flush with large amounts of water to clean the area.Ventilate well. Personal: During usage of chemical personal should use all normal protective equipment and avoid contact with eye and skin and for use in close environment personnel should use respiratory breathing apparatus

7. Handling and Storage

Storage Ensure Adequate Ventilation

Condition to Avoid	Flammable but product is stable under normal condition , take precaution as industrial chemical .
Materials to Avoid	Do not subject directly to ALKALINE / Acidic medium.
Handling	Keep Container Tightly Closed in the original container and keep away from open flames / ignition sources.
Note	Eyewash facilities require at workplace

The product causes corrosion on skin and mucous membranes GENERALLY Pl. Note that In case of discharge of acidic or alkaline products into the sewerage system the pH must be in the range of 6-10 since higher or lower pH values may damage the sewerage system or impair biological dosage treatment plants. So that for maintaining pH we have to add acidic / basic medium neutaliser . For example if pH is less than 6 basic neutraliser is required and if pH is more than 10 aci- dic nature neutraliser is required. For details of any guideline pl. Visit our technical website www.rxmarine.com
• Dilute in water (always use plastic jar and RXSOL should be added to water never add water to RXSOL.)

8. Exposure controls and personal protection

Product Properties

Respiratory System Protection	Approved respirator must be worn when spraying otherwise normally not required
Eye Protection	If there is possibility to contact wear goggles for eye protection
Hand protection	Wear PVC chemical resistance protective gloves
Other Information	Smoking in store / work area is prohibited.

9. Physical and chemical properties

Appearance	Clear brownish l colourless to yellow

Density	895kg/m3
pH	7.445
Flash Point	189 ºC
Boiling point	>2ºC
Ignition temp	>210 °C
SOLUBILITY	soluble in ethanol, ether, acetone, chloroform

10. Stability and reactivity

Stable under normal condition. No decomposition if stored and used as directed.

11. Toxicological information

Skin Irritation	Gives irritation may causes dryness. And prolonged contact with skin can cause degreasing effect.
Eye Irritation	Cause mild irritation
Sensitization	Sensitizing properties not known
ChronicToxicity	Not Identified
Carcinogencity	Not regulated.

12. Ecological information

Emulsifies in water and degradable , no enviromental problem will create when the product is used correctly . in its intended use the product will not be released into the environment.

13. Disposal considerations

As per guide line of local rules and regulation and before disposal and neutralization pl. refer 07 article.

14. Transport information

Goods classified for road /rail /	Sea transport	YES with	UN-no	3082
Proper shipping name	-	contains	chain of fatty acid	
Hazard identification no	90 Product identification		(UN) no	3082
TREMCARD no.	CEFIC	90G01		
Marine pollutant	no			
Flash point	189 ºC			

Labelcolour	White./Black.

Marine pollutant: No

Transport/Additional information

15. Regulatory information

Contains: chain of fatty acid

R phrases

R does not cause adverse effect to environment

R does not cause pollution

R 65 Harmful: May cause lung damage if swallowed

S phrases

S 23 Do not breathe vapour

S 24 Avoid contact with skin

S 60 This material and its container must be disposed of as waste

S Absorb with an inert material and put the spilled material in an appropriate waste disposal.

S 62 If swallowed, do not induce vomiting; seek medical advice immediately

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

REFERENCES Classified according to European directive on classification of dangerous preparations 90/492/EEC and accordance with EU directive 88/379. .

16. Other information

On the basis of information and experience as well as our present knowledge this guidelines is only safe for handling, use, processing, storage, transport, disposal and discharge; this is not a guarantee or quality of specification. And combination with other products will lost the properties. It is always the responsibility of the user to take all necessary steps to ensure that information given here is read and understood by all who use, handle, dispose of or in any way come in contact with the product. It is not to be considered as a guarantee of the products properties. Disclaim: The information in this MSDS is meant as a description of the safety requirements of our product.