Material Safety Data Sheet

Alpha Olefin Sulfonates AOS (RXSOL-19-1980-050)

1. Product and Company Identifaction

Product Name	RXSOL-19-1780-050
Product Type	Sodium Lauryl Sulphate

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

Chemical Name	CAS Number	% By Weight
Sodium Lauryl Sulphate	151-21-3	29-32
Water	7732-18-5	68 - 71

3. Hazards Identification



Potential Acute Health Effects:	Slightly hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of ingestion.
Potential Chronic Health Effects:	Slightly hazardous in case of skin contact (sensitizer).CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. [Sodium lauryl sulfate]. TERATOGENIC EFFECTS: Not available. DEVELOPMENTALTOXICITY: Not available. The substance may be toxic to skin. Repeated or prolonged exposure to the substance can produce target organs damage.

4. First Aid Measures

Contact with eyes	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Skin Contact:	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Serious Skin Contact:	Not Available

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Serious Inhalation:	Not available.
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Serious Ingestion:	Not available.

5. Fire-fighting Measures

Flammability of the Product:	Non-flammable.
Auto-Ignition Temperature:	Not applicable.
Flash Points:	Not applicable.
Flammable Limits:	Not applicable.
Products of Combustion:	Not applicable
Fire Hazards in Presence of Various Substances:	Not applicable
Explosion Hazards in Presence of Various Substances:	Slightly explosive in presence of open flames and sparks. Non-explosive in presence of shocks.
Fire Fighting Media and Instructions:	Not applicable
Special Remarks on Fire Hazards:	Not applicable
Special Remarks on Explosion Hazards:	Not applicable

6. Accidental Release Measures

Small Spill:	Dilute with water and mop up, or absorb with an inert dry material and place in appropriate waste disposal container.Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill:	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system

7. Handling and Storage

Precautions:	Keep locked up.. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
Storage:	Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure controls and personal protection

Engineering Controls:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection:	Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill:	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits:	Not available.

9. Physical and chemical properties

Physical state and appearance:	Liquid.
Odour	Not available.
Taste:	Not available.
Molecular Weight:	Not applicable.
Color:	Clear Colorless.
pH (1% soln/water):	pH of solution @ 25 C: 5.0-8.0
Boiling Point:	The lowest known value is 100°C (212°F) (Water).
Melting Point:	Not available.
Critical Temperature:	Not available.
Specific Gravity:	1.01 (Water = 1)
Vapor Pressure:	The highest known value is 2.3 kPa (@ 20°C) (Water).
Vapor Density:	The highest known value is 0.62 (Air = 1) (Water).
Volatility:	Not available.
Odor Threshold:	Not available.

Water/Oil Dist. Coeff:	Not available.
Ionicity (in Water):	Not available.
Dispersion Properties:	See solubility in water.
Solubility:	Easily soluble in cold water, hot water.

10. Stability and reactivity

Stability:	The product is Stable.
Instability Tempreture:	Not available.
Conditions of Instability:	Incompatible materia
Incompatibility with various substance:	Slightly reactive to reactive with oxidizing agents.
Corrosivity:	Non-corrosive in presence of glass.
Special Remarks on Reactivity:	Not available.
Speacial Remarks on corrosivity:	Not available.
Polymerization:	Will not occur.

11. Toxicological information

Routes of Entry:	Absorbed through skin. Eye contact.
Toxicity to Animals:	Acute oral toxicity (LD50): 6440 mg/kg (Rat.) (Calculated value for the mixture).
Chronic Effects on Humans:	MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. [Sodium lauryl sulfate]. Contains material which may cause damage to the following organs: skin.
Other Toxic Effects on Humans:	Slightly hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation. Non-permeator by skin.
Special Remarks on Toxicity to Animals:	Lowest Published Lethal Dose: LDL [Rabbit] - Route: Skin; Dose: 10000 mg/kg (Sodium lauryl sulfate)

Special Remarks on Chronic Effects on Humans:	May cause adverse reproductive effects based on animal test data. No human data found. (Sodium lauryl sulfate)
Special Remarks on other Toxic Effects on Humans:	Acute Potential Health Effects: Casues skin irritation. May cause allergic reaction. It may be absorbed through the skin. Eyes:Causes eye irritation. Inhalation: Breathing mist or vapor may cause respiratory tract and mucous membrane irritation. Maycause allergic respiratory reaction. Ingestion: May cause gastrointestinal tract irritation with nausea, vomiting, hypermotility,diarrhea, and bloating. May also affect behavior (ataxia, somnolence), and cardiovascular system. Chronic Potential Health Effects: Skin: Repeated or prolonged skin contact may cause allergic dermatitis. Inhalation: Repeated or prolonged inhalation may cause allergic respiratory reaction. Ingestion: Repeated or prolonged ingestion may also affect the liver.

12. Ecological information

Ecotoxicity:	Not available.
BOD5 and COD:	Not available.
Products of Biodegradation:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation:	The products of degradation are less toxic than the product itself.
Special Remarks on the Products of Biodegradation:	Not available.

13. Disposal considerations

Waste Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

DOT classification:	Not a DOT controlled material (United states)
Indentification	Not applicable
Special Provisions for Transport:	Not applicable

15. Regulatory information

Federal and State Regulations:	TSCA 8(b) inventory: Water; Sodium lauryl sulfate
Other Regulations:	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
Other Classifications:	
WHMIS (Canada):	Not controlled under WHMIS (Canada).
DSCL (EEC):	R36/38- Irritating to eyes and skin. S2- Keep out of the reach of children. S46- If swallowed, seek medical advice immediately and show this container or label.
HMIS (U.S.A.):	**Health Hazard:** 1 **Fire Hazard:** 0 **Reactivity:** 0 **Personal Protection:** g
National Fire Protection Association (U.S.A.):	**Health:** 1 **Flammability:** 0 **Reactivity:** 0 **Specific hazard:**
Protective Equipment:	Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

16. Other information

Text of R and S phrase codes used in this safety data sheet:- R34: Causes burns; R36: Irritating to eyes; R37: Irritating to respiratory system; R41: Risk of serious damage to eyes. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in 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 other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer .

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