Material Safety Data Sheet

DODECYL SODIUM SULPHATE (DSS) (RXSOL-60-6019-002)

1. Product and Company Identifaction

Product Name	DODECYL SODIUM SULPHATE (DSS)
Part Number	RXSOL-19-1631-025

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Vizag, Fujairah, Barka Muscat

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2. Composition / informationon ingredients

Ingrident	CAS Number
DODECYL SODIUM SULPHATE (DSS)	151-21-3

3. Hazards Identification

Classification	Liquid
Signal Word	Irritant
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.
Developmental Toxicity:	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

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.
Eyes Contact :	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.
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.

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 Ingition temp.	Not applicable
Flash Point	Not applicable
Flammable Limits:	Not applicable
Products of Combustion:	Not Available
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 available.
Special Remarks on Explosion Hazards:	Not available.

6. Accidental Release Measures

Small Spillage	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spillage	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

Handling	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.
Incompatibilities	Not Applicable

8. Exposure controls and personal protection

Engineering Control	Provide local ventilation at filling zones and areas where leakage is probable. Mechanical (general) ventilation may be adequate for other operating and storage areas.
Personal Protective Equipment	

Skin Protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Eye Protection	Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.
Respiratory Protection	For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.
Exposure Limits:	Not Available.



Gloves



Suit

9. Physical and chemical properties

Appearance	Liquid
Colour	Clear
Molecular Weight	Not Available
Taste	Not Available
Odor	Not Available
pH (1 % Solution) @25°C	5-8
Boiling Point	100 °C
Meltin Point	Not Available
Critical Temperature	Not Available
Specific Gravity	1.01 (Wter = 1)
Vapor Pressure	2.3 kPa@ 20°C
Vapor Density (Air = 1.0)	0.62 (Air =1)
Volatility	Not Available
Odor Threshhold	Not Available
Water/Oil Dist. Coeff	Not Available
Ionicity (in Water)	Not Available
Solubility in Water	100 % Soluble

10. Stability and reactivity

Stability...of..Product	The product is stable.
Instability Temperature	Not Available
Conditions of Instability:	Incompatible materials
Incompatibility with various substances:	Slightly reactive to reactive with oxidizing agents.
Corrosivity:	Non-corrosive in presence of glass.
Special Remarks on Reactivity:	Not available.
Special Remarks on Corrosivity:	Not available.
Hazardous 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 onHumans:	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. May cause 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

Diaposal Condition	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)
Identification:	Not applicable.
Special Provisions for Transport:	Not applicable.
Packing Group	Not applicable

15. Regulatory information

Federal and State Regulations:	TSCA 8(b) inventory: Water; DODECYL SODIUM SULPHATE (DSS)
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 Classification	Health – 1, Flammability – 0 Reactivity – 0 Personal Protection : g
NFPA Classification	Health – 1 Flammability – 0 Reactivity – 0
Protective Equipment	Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

16. Other information

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