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MATERIAL SAFETY DATA SHEET

MANUFACTURER: JEEN INTERNATIONAL CORPORATION
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Chemtrec Emergency Telephone Number: 800-424-9300

Chemtrec International Telephone Number: 703-527-3887 (Collect Calls Accepted)

SECTION - 1 - PRODUCT DESCRIPTION

PRODUCT NAME: **JEELATE ES- 270**
CHEMICAL DESCRIPTION: Sodium Lauryl Ether Sulfate
SINONYMS: None

SECTION - 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

Sodium lauryl ether sulfate: Confidential – from 70 to 79.9 percent – N/E– N/E– N/E– N/E– N/E– N/E– N/E

- (s)- Skin exposure
- (p)- Proposed limit
- (c)- Ceiling exposure
- (1)- Recommended exposure limit
- (u)- Supplier recommended exposure limit
- (N/E)- None established

SECTION - 3- HAZARDS IDENTIFICATION

Principal Hazards: **WARNING.**
CAUSES EYE IRRITATION.
CAUSES SKIN IRRITATION.
See Section 11 for complete health hazard information.

SECTION - 4 - FIRST AID MEASURES

Oral: **DO NOT INDUCE VOMITING.** If conscious, give 2 glasses of water. Get immediate medical attention.
Eyes: Flush immediately with water for at least 15 minutes. Get immediate medical attention.
Skin: Wash with soap and water. Immediately remove contaminated clothing. Get medical attention if irritation persists. Launder contaminated clothing before reuse and discard shoes and other leather articles saturated with the material.
Inhalation: Remove exposed person to fresh air if adverse effects are observed.
Additional Information:
Note to physician: Treat symptomatically.

SECTION - 5 - FIRE FIGHTING MEASURES

Flash Point: >100 Deg. C, 212 Deg. F PMCC (Minimum)
Extinguishing Media: CO2, dry chemical, foam, water spray, water fog.
Firefighting Procedures: Recommend wearing self-contained breathing apparatus. Water may be ineffective fighting fires.
Unusual Fire & Explosion Hazards: Toxic fumes, gases or vapors may evolve on burning.



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SECTION – 6 – ACCIDENTAL RELEASE MEASURES

Spill Procedures: Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

SECTION – 7 – HANDLING AND STORAGE

Maximum Pumping Temperature: Not determined.
 Maximum Handling Temperature: Not determined.
 Handling Procedures: Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.
 Maximum Storage Temperature: Not determined.
 Storage Procedures: No special storage precautions required.
 Loading Temperature: Not determined.

SECTION – 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Procedures: Use local exhaust ventilation to control mists or vapors.
 Gloves Procedures: Use nitrile or neoprene gloves.
 Eye Protection: Chemical goggles or faceshield.
 Respiratory Protection: Use NIOSH/MSHA approved full face respirator with a combination organic vapor and dust/mist cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.
 Clothing Recommendation: Long sleeve shirt is recommended. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction.

SECTION – 9 – PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: >100 Deg. C, 212 Deg. F PMCC (Minimum)
 Upper Flammable Limit: Not determined.
 Lower Flammable Limit: Not determined.
 Autoignition Point: Not determined.
 Explosion Data: Material does not have explosive properties.
 Vapor Pressure: Not determined.
 pH: Not determined.
 Specific Gravity: 1.1 (15.6 Deg. C)
 Water Solubility: Soluble.
 Percent Volatile: Unknown
 Percent VOC: Not determined.
 Vapor Density: Not determined.
 Evaporation Rate: Not determined.
 Odor: Mild
 Appearance: Hazy liquid
 Viscosity: Unknown.
 Odor Threshold: Unknown.
 Boiling Point: 78 Deg. C, 173 Deg. F (Typical).
 Pour Point Temperature: Not determined.
 Freezing Point: Not determined.

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.



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SECTION – 10 – STABILITY AND REACTIVITY

Stability:	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature:	Not determined.
Incompatibility:	None known, avoid contact with reactive chemicals.
Polymerization:	Will not occur.
Thermal Decomposition:	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

SECTION –11- TOXICOLOGICAL INFORMATION

-ACUTE EXPOSURE-

Oral Toxicity:	The LD50 in rats is between 2000 mg/kg and mg/kg. Based on data from components or similar materials.
Eye Irritation:	Moderate to strong eye irritation. Based on data from components or similar material.
Skin Irritation:	Skin irritant. Based on data from components or similar materials.
Dermal Toxicity:	The LD50 in rabbits is >2000 mg/Kg. Based on data from components or similar materials.
Inhalation Toxicity:	No data available to indicate product or components may be a toxic inhalation hazard.
Respiratory Irritation:	No data available to indicate product or components may cause respiratory irritation under normal workplace conditions and good industrial hygiene practices.
Dermal Sensitization:	No data available to indicate product or components may be a skin sensitizers.
Inhalation Sensitization:	No data available to indicate product or components may be respiratory sensitizers.

-CHRONIC EXPOSURE-

Chronic Toxicity:	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Carcinogenicity:	No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity:	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity:	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

-ADDITIONAL INFORMATION-

Other: No other health hazards known.
Exposure Limits: See Hazardous Ingredients Section for any applicable exposure limits for components.

SECTION – 12 – ECOLOGICAL INFORMATION

-ENVIRONMENTAL TOXICITY –

Freshwater Fish Toxicity:	Not determined
Freshwater Invertebrates Toxicity:	Not determined
Algal Inhibition:	Not determined
Saltwater Fish Toxicity:	Not determined
Saltwater Invertebrates Toxicity:	Not determined
Bacteria Toxicity:	Not determined
Miscellaneous Toxicity:	Not determined

-ENVIRONMENTAL FATE –

Biodegradation:	Adequate data is not available to estimate the biodegradation potential of this material.
Bioaccumulation:	There is no data available to evaluate this material for bioconcentration.
Soil Mobility:	Not determined.



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SECTION – 13 – DISPOSAL CONSIDERATION

Waste Disposal: This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

SECTION – 14 – TRANSPORT INFORMATION

ICAO/IATA:	Not regulated.
IMDG (Ambient)	Not regulated.
IMDG (Elevated)	DO NOT TRANSPORT-ADDITIONAL INFORMATION REQUIRED.
IMDG EMS	Not applicable.
IMDG MFIAG	Not applicable.
IMO Marine Bulk:	DO NOT TRANSPORT-ADDITIONAL INFORMATION REQUIRED.
USCG Compatibility:	Not determined.
U.S. DOT Bulk (Ambient)	Not regulated
U.S. DOT Bulk (Elevated)	DO NOT TRANSPORT-ADDITIONAL INFORMATION REQUIRED.
U.S. DOT Non Bulk:	Not regulated.
DOT NAERG:	Not applicable.
TDG Bulk (Ambient)	Not regulated.
TDG Bulk (Elevated)	DO NOT TRANSPORT – ADDITIONAL INFORMATION REQUIRED.
TDG Non bulk:	Not regulated.
Mexico:	Not regulated.
ADR/RID (Ambient)	Not regulated.
ADR/RID (Elevated)	DO NOT TRANSPORT – ADDITIONAL INFORMATION REQUIRED.
ADG (Ambient)	Not regulated.
ADG (Elevated)	DO NOT TRANSPORT – ADDITIONAL INFORMATION REQUIRED.

SECTION – 15- REGULATORY INFORMATION

U.S. TSCA Inventory:	All components of this material are on the US TSCA Inventory.
Other TSCA Reg.:	None known.
SARA Ext. Haz. Subst.:	This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.
SARA Section 313:	This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.
TDG Regulated Limit.:	None known.
CERCLA Hazardous Substances:	None known.
Cal. Prop.65	This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, Lubrizol does not routinely analyze its products for impurities which may be such chemicals.
U.S. Fuel Registration:	Not applicable.
U.S. Dept of Agriculture:	This product has not been filed with the USDA to support H2 approvals.
NSF Nonfood Compounds Registration:	This product has not been filed with the NSF to support H1 or H2 approvals.
U.S. Tariff Heading Number:	Not determined.
Schedule B Number:	Not determined.
FDA Approval:	Not applicable.
EEC EINECS:	All components are in compliance with the EC Seventh amendment Directive 92/32/EEC.
Finnish Registration Number:	Not registered.
Sweden Registration Number:	Not registered.
Norway Registration Number:	Not registered.
Danish Registration Number:	Not registered.
Switzerland Bag T Registration Number:	Not registered.
Japan METI:	All components are in compliance with the Chemical Substances Control Law of Japan.



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SECTION – 15- REGULATORY INFORMATION CONTINUED

Australia: All components are in compliance with chemical notification requirements in Australia.
Canada: All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
Switzerland: May require notification before sale in Switzerland.
Korea: All components are in compliance in Korea.
Korean Registration Number: Not registered.
Philippines: All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A.6969).
China: All components of this product are listed on the Inventory of Existing Chemical Substances in China.
China Registration Number: Not registered.
New Zealand Registration Number: Not registered.
Malta Registration Number: Not registered.
Ukraine Registration Number: Not registered.

SECTION – 16 – OTHER INFORMATION

US NFPA Codes:
Health-2 Fire-1 Reactivity-0 Special-N/E

HMS Codes:
Health-2 Fire-1 Reactivity-0

Precautionary Labels WARNING.
CAUSES EYE IRRITATION.
CAUSES SKIN IRRITATION.
Revision Indicators:

This MSDS has no revisions since 11, December 2002.

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