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MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL AND MANUFACTURER IDENTIFICATION

Manufacturer's Name: **Chemtrec Emergency Telephone # 800-424-9300**  
JEEN INTERNATIONAL CORPORATION **Chemtrec Int'l Tel.# 703-527-3887(Collect Calls Accepted)**  
24 MADISON ROAD  
FAIRFIELD, NJ 07004  
Telephone # 973-439-1401  
Chemical Name: LINOLEAMIDE DEA  
Trade Name: **JEEMIDE LNO**  
Chemical Family: FATTY ALKANOLAMIDE  
HMIS HAZARD RATINGS: Health (2) Fire (1) Reactivity (0)  
4= EXTREME; 3= HIGH; 2= MODERATE; 1= SLIGHT; 0= INSIGNIFICANT  
Effective Date: 04/04/89 Date Last Revised: 04/04/89

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	CAS#	%	ACGIH/TLV	SKIN LD50 MG/KG	ORAL MG/KG
DIETHANOLAMINE	111-42-2	8.4	3 PPM	12000	APP 1200

SECTION III - PHYSICAL DATA

BOILING POINT: GREATER THAN 365°F  
MELTING POINT: NA  
VAPOR PRESSURE (mm.Hg): NV  
VAPOR DENSITY (AIR=1): NV  
SPECIFIC GRAVITY (H<sub>2</sub>O): 0.97  
PERCENT VOLATILE BY WEIGHT: NV  
EVAPORATION RATE: NV  
SOLUBILITY IN WATER: DISPERSIBLE  
APPEARANCE/ODOR: AMBER LIQUID/FATTY ODOR  
NA= NOT APPLICABLE; NV= NOT VOLATILE; ND= NOT DETERMINED

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 170°F (PENSKY MARTENS CC)  
LOWER EXPLOSIVE LIMIT: ND  
UPPER EXPLOSIVE LIMIT: ND  
EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, BC/ABC EXTINGUISHERS  
SPECIAL FIREFIGHTING PROCEDURES: NONE  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION V - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL: SEE SECTION II FOR HAZARDOUS INGREDIENTS PRESENT IN THIS PRODUCT AND THEIR CORRESPONDING TLV'S.

EFFECTS OF OVEREXPOSURE: CONTAINS DIETHANOLAMINE. REPEATED EXCESSIVE EXPOSURE MAY CAUSE LIVER AND KIDNEY DAMAGE.

EYES: CONTACT CAN CAUSE SEVERE IRRITATION, REDNESS, BLURRED VISION, SEVERE OR PERMANENT DAMAGE.

SKIN: PROLONGED CONTACT CAN CAUSE SEVERE IRRITATION. MIST MAY IRRITATE MUCOUS MEMBRANES.

TOXICITY DATA:

ORAL TOXICITY LD(50): ND  
EYE IRRITATION: SEVERE  
DERMAL IRRITATION: IRRITATING

FIRST AID PROCEDURES:

EYES CONTACT: FLUSH IMMEDIATELY WITH COPIOUS AMOUNTS OF WATER. CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN.

SKIN IRRITATION: IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF SOAP AND WATER FOR 5 MINUTES. IF IRRITATION PERSISTS, CONTACT PHYSICIAN. LAUNDRER CONTAMINATED CLOTHING BEFORE RE-USE.

INGESTION: CONTACT A PHYSICIAN IMMEDIATELY.

INHALATION: REMOVE TO FRESH AIR. IF NECESSARY, GIVE OXYGEN. ARTIFICIAL RESPIRATION.





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SECTION VI - REACTIVITY DATA

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CHEMICAL STABILITY:	STABLE
CONDITIONS TO AVOID:	EXTREMELY HIGH TEMPERATURES
INCOMPATIBLE MATERIALS:	STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS:	NITROUS OXIDES AND AMMONIACAL VAPORS
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR

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SECTION VII - SPILL OR LEAK PROCEDURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
FOR LARGE SPILLS: SOAK UP WITH SAND OR SWEEPING COMPOUND AND DISPOSE AS SOLID WASTE.  
FOR SMALL SPILLS: FLUSH TO INDUSTRIAL SEWER.  
WASTE DISPOSAL METHOD: IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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SECTION VIII- CONTROL MEASURES

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RESPIRATORY PROTECTION:	NOT REQUIRED.
EYE PROTECTION:	CHEMICAL GOGGLES.
PROTECTIVE GLOVES:	IMPERVIOUS.
VENTILATION:	NOT REQUIRED - MISTING OPERATIONS MAY REQUIRE ADEQUATE VENTILATION.
OTHER PROTECTIVE EQUIPMENT:	WEAR PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

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SECTION IX - SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:	KEEP CONTAINER CLOSED WHEN NOT IN USE.
OTHER PRECAUTIONS:	SPILLED MATERIAL IS QUITE SLIPPERY.

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SECTION IX - SPECIAL PRECAUTIONS

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DOT PROPER SHIPPING NAME:	LIQUID SOAP
DOT CLASSIFICATION:	NONE
UN/NA NUMBER:	NONE
LABEL:	NONE

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SECTION X - REGULATORY INFORMATION

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TSCA:	LISTED IN TSCA INVENTORY CALIFORNIA PROP. 65:	NONE DETECTABLE
SARA TITLE III SEC 313:	NONE	
CTFA DESIGNATION:	LINOLEAMIDE DEA (and) DIETHANOLAMINE	