



24 Madison Road, Fairfield, New Jersey 07004, USA
Tel: 800-771-JEEN (5336), Tel: 973-439-1401, Fax: 973-439-1402,
email: info@jeen.com , Website: www.jeen.com

MATERIAL SAFETY DATA SHEET

Section 1 - Product and Company Identification

ISSUED BY: JEEN INTERNATIONAL CORPORATION
24 MADISON ROAD
FAIRFIELD, NJ 07004
Telephone # 973-439-1401

Chemtrec Emergency Telephone No.: 800-424-9300

Chemtrec International Telephone No.: 703-527-3887 (Collect Calls Accepted)

TRADE NAME: **JEEMIDE N-1918**
CHEMICAL NAME: STEARAMIDE DEA
CAS#: 93-82-3
D.O.T. HAZARD CLASS: NONE
PROPER SHIPPING NAME: NONE
REACTIVITY (0)

HAZARD RATINGS: HEALTH (1) FIRE (0)

Section 2 – Composition/Information on Ingredients

INGREDIENTS:		OSHA PEL
DIETHANOLAMINE	(CAS#: 111-42-2)	0.46 PPM, SKIN
STEARAMIDE DEA	(CAS#: 93-82-3)	(ACGIH TLV) NOT LISTED

VALUES ARE NOT PRODUCT SPECIFICATIONS.

Section 3 – Hazards Identification

GENERAL: LIMITED TOXICITY DATA ARE AVAILABLE ON THIS SPECIFIC PRODUCT; THIS HEALTH HAZARD ASSESSMENT IS BASED ON THE RESULTS OF SCREENING TEST.

EMERGENCY OVERVIEW: APPEARANCE: OFF-WHITE WAXY SOLID. CAUSES EYE BURNS. MAY CAUSE SKIN IRRITATION. INHALATION OR INGESTION MAY CAUSE MUCOUS MEMBRANE IRRITATION.

ROUTES OF EXPOSURE: EYE CONTACT; SKIN CONTACT; INHALATION

SYMPTOMS OF OVEREXPOSURE (ACUTE & CHRONIC):
EYE CONTACT: THIS MATERIAL WILL PROBABLY IRRITATE HUMAN SKIN. EXPOSURE TO DIETHANOLAMINE MAY CAUSE ALLERGIC CONTACT DERMATITIS. IF ALLERGY DEVELOPS, VERY LOW FUTURE EXPOSURES CAN CAUSE ITCHING AND A SKIN RASH. SYSTEMICALLY TOXIC CONCENTRATIONS OF THIS PRODUCT WILL PROBABLY NOT BE ABSORBED THROUGH HUMAN SKIN. DIETHANOLAMINE HAS THE POTENTIAL FOR POSSIBLY HARMFUL SKIN ABSORPTION. STUDIES HAVE BEEN PERFORMED BY THE NATIONAL TOXICOLOGY PROGRAM (NTP) ON SKIN ABSORPTION OF DIETHANOLAMINE IN MICE AND RATS. THE RESULTS OF THESE STUDIES SHOW NO EVIDENCE OF CARCINOGENICITY IN RATS OF BOTH SEXES BUT CLEAR EVIDENCE OF CARCINOGENICITY ON ICE OF BOTH SEXES. THE SIGNIFICANCE OF THESE FINDINGS IS UNCLEAR AND ADDITIONAL TESTING IS CURRENTLY UNDERWAY.

INHALATION: HIGH CONCENTRATIONS OF MISTS OR AEROSOLS MAY IRRITATE RESPIRATORY PASSAGES. NO TOXIC EFFECTS ARE KNOWN TO BE ASSOCIATED WITH INHALATION OF THIS MATERIAL.

INGESTION: IN HUMANS, IRRITATION OF THE MOUTH, PHARYNX, ESOPHAGUS AND STOMACH CAN DEVELOP FOLLOWING INGESTION OF THIS PRODUCT. NO TOXIC EFFECTS ARE EXPECTED FOLLOWING INGESTION OF THIS PRODUCT. CHRONIC

EFFECTS: OVEREXPOSURE TO DIETHANOLAMINE MAY AFFECT THE LIVER, KIDNEYS AND BLOOD. IN ACUTE AND SUBACUTE FEEDING STUDIES IN RATS, 0.09 G/KG OF DIETHANOLAMINE CAUSED CHANGES IN LIVER AND KIDNEY WEIGHTS.

Section 4 – First Aid Measures

EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. HAVE EYES EXAMINED AND TREATED BY MEDICAL PERSONNEL.

SKIN: WASH MATERIAL OFF OF THE SKIN WITH PLENTY OF SOAP AND WATER. IF REDNESS, ITCHING OR A BURNING SENSATION DEVELOPS, GET MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. GIVE ONE OR TWO GLASSES OF WATER TO DRINK AND REFER TO MEDICAL PERSONNEL OR TAKE DIRECTION FROM EITHER A PHYSICIAN OR A POISON CONTROL CENTER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: REMOVE VICTIM TO FRESH AIR. IF A COUGH OR OTHER RESPIRATORY SYMPTOMS DEVELOP, CONSULT MEDICAL PERSONNEL.



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Section 5 – Fire Fighting Measures

FLASHPOINT AND METHOD: >200°F, 93.33°C (PMCC)
 AUTOIGNITION TEMPERATURE: NO DATA
 FLAMMABLE LIMITS: NO DATA
 EXTINGUISHING MEDIA: WATER FOG, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, HALOGENATED AGENTS.
 SPECIAL FIRE FIGHTING PROTECTIVE EQUIPMENT: SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE AND PROTECTIVE CLOTHING. UNUSUAL FIRE AND EXPLOSION
 HAZARDS: NONE KNOWN
 EXPLOSION DATA: SENSITIVITY TO MECHANICAL IMPACT: NOT APPLICABLE
 SENSITIVITY TO STATIC DISCHARGE: NOT APPLICABLE

Section 6 – Accidental Release Measures

REFER TO SECTION 8 FOR PROPER PERSONAL PROTECTIVE EQUIPMENT.
 STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
 SWEEP UP AND RECOVER OR MIX MATERIAL WITH A MOIST ABSORBENT AND SHOVEL INTO A CHEMICAL WASTE CONTAINER. WASH RESIDUE FROM SPILL AREA WITH WATER CONTAINING DETERGENT AND FLUSH TO A SEWER SERVICED BY A PERMITTED WASTEWATER TREATMENT FACILITY.

Section 7 – Handling and Storage

STORAGE REQUIREMENTS: 50 – 90°F IN ORIGINAL CLOSED CONTAINER
 PRECAUTIONS TO TAKE DURING HANDLING AND STORAGE: DO NOT GET IN EYES. AVOID BREATHING THIS MATERIAL
 DO NOT SWALLOW. NORMAL CHEMICAL HANDLING AND STORAGE

Section 8 – Exposure Controls/Personal Protection

EXPOSURE LIMITS: NO ACGIH TLV OR OSHA PEL IS ASSIGNED TO THIS MIXTURE. CONTROL OF EXPOSURE TO BELOW THE PEL AND/OR TLV FOR THE INGREDIENTS (SEE SECTION 2 AND/OR BELOW) MAY NOT BE SUFFICIENT. MINIMIZE EXPOSURE IN ACCORDANCE WITH GOOD HYGIENE PRACTICE. THE ACGIH TLV FOR DIETHANOLAMINE IS 0.46 PPM (SKIN).
 ENGINEERING CONTROLS: USE VENTILATION ADEQUATE TO MAINTAIN SAFE LEVELS.
 EYE PROTECTION: CHEMICAL TIGHT GOGGLES AND FULL FACE SHIELD.
 PROTECTIVE CLOTHING: IMPERVIOUS GLOVES RESPIRATORY
 PROTECTION: IF NEEDED, USE MSHA-NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPORS.
 OTHER PROTECTIVE EQUIPMENT: EYE WASH STATION AND SAFETY SHOWER IN WORK AREA.

Section 9 – Physical and Chemical Properties

APPEARANCE & ODOR: OFF WHITE WAXY SOLID MELTING POINT: NO DATA
 BOILING POINT: 340°F, 171.11°C VAPOR PRESSURE (mm Hg@ 20°C): NO DATA
 VAPOR DENSITY (AIR=1): NO DATA ODOR THRESHOLD: NODATA
 pH (10% AQUEOUS): 9.8 SPECIFIC GRAVITY: 0.8625
 %VOLATILE BY VOLUME: NO DATA CLOUD POINT: NO DATA
 VISCOSITY: NO DATA PARTITION COEFFICIENT: NO DATA
 COEFFICIENT OF WATER/OIL DISTRIBUTION: NO DATA FREEZING POINT: NO DATA



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Section 10 – Stability and Reactivity

STABILITY: STABLE UNDER NORMAL CONDITIONS
INCOMPATIBILITY: OXIDIZING AGENTS
CONDITIONS TO AVOID: NONE KNOWN
HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE.
NITROGEN OXIDES AMMONIA.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

Section 11 – Toxicological Information

THE TOXICITY DATA LISTED BELOW ARE BASED ON THE RESULTS OF SCREENING TESTS ON THIS SPECIFIC PRODUCT.
EYE CONTACT: A 5% SUSPENSION OF THIS MATERIAL WAS TESTED. THIS MATERIAL WAS NON-IRRITATING RABBIT EYE IRRITATION STUDIES. HOWEVER, DUE TO THE PERCENT DILUTION THAT WAS TESTED AND THE NATURE OF THE COMPONENTS, IT IS EXPECTED THAT THIS MATERIAL WILL PROBABLY CAUSE EYE BURNS.
SKIN CONTACT: A 5% SUSPENSION OF THIS MATERIAL WAS TESTED. THIS MATERIAL IS NONIRRITATING IN RABBIT DERMAL IRRITATION STUDIES. HOWEVER, DUE TO THE PERCENT DILUTION THAT WAS TESTED THIS MATERIAL IS EXPECTED TO CAUSE SKIN IRRITATION.
CARCINOGENICITY: THIS MATERIAL IS NOT LISTED AS A CARCINOGEN BY OSHA, IARC AND NTP.
REPRODUCTIVE TOXICITY/
TERATOGENICITY: NO AVAILABLE INFORMATION
MUTAGENICITY: NO AVAILABLE INFORMATION
TOXICOLOGICALLY
SYNERGISTIC PRODUCTS: NONE KNOWN

Section 12 – Ecological Information

NO DATA IS AVAILABLE ON THIS PRODUCT.

Section 13 – Disposal Considerations

DISPOSAL METHOD: DISCARDED PRODUCT IS NOT A HAZARDOUS WASTE UNDER RCRA, 40 CFR 261.
CONTAINER DISPOSAL: EMPTY CONTAINER RETAINS PRODUCT RESIDUE. OBSERVE ALL HAZARD PRECAUTIONS. DO NOT DISTRIBUTE, MAKE AVAILABLE, FURNISH OR REUSE EMPTY CONTAINER EXCEPT FOR STORAGE AND SHIPMENT OF ORIGINAL PRODUCT. REMOVE ALL PRODUCT RESIDUE FROM CONTAINER AND PUNCTURE OR OTHERWISE DESTROY EMPTY CONTAINER BEFORE DISPOSAL.

Section 14 – Transport Information

DEPARTMENT OF TRANSPORTATION: REGULATED
PROPER SHIPPING NAME: OTHER REGULATED SUBSTANCES, LIQUID, N.O.S. (CONTAINS DIETHANOLAMINE)
HAZARD CLASS: CLASS 9, PG III, OTHER REGULATED SUBSTANCE
UN/NA ID NUMBER: NA 3082
ERG NUMBER: ERG#171
TDG (TRANSPORTATION OF DANGEROUS GOODS): REGULATED

Section 15 – Regulatory Information

TSCA (TOXIC SUBSTANCES CONTROL ACT) REGULATIONS, 40 CFR 710:
ALL INGREDIENTS ARE ON THE TSCA CHEMICAL SUBSTANCE INVENTORY.
DSL (CANADIAN DOMESTIC SUBSTANCES LIST):
ALL INGREDIENTS ARE LISTED ON THE CANADIAN DSL.
OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200, HAZARD SUMMARY:
PHYSICAL HAZARDS: NONE
HEALTH HAZARDS: CORROSIVE (EYE)
WHMIS CLASSIFICATION: CLASS D, DIVISION 2 – TOX.
CERCLA AND SARA REGULATIONS (40 CFR 255, 370 AND 372):
THIS MATERIAL CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA 313:
CAS NUMBER: CHEMICAL NAME
111-42-2 DIETHANOLAMINE
SARA 311/312 HAZARD CATEGORIES: IMMEDIATE:YES DELAYED:NO FIRE:NO PRESSURE:NO REACTIVITY: NO
STATE REGULATIONS: NONE



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Section 16 – Other Information

WE ASSIGNED NFPA RATINGS AND HMIS RATINGS TO THIS PRODUCT BASED ON THE HAZARDS OF ITS INGREDIENT(S). BECAUSE THE CUSTOMER IS MOST AWARE OF THE APPLICATION OF THE PRODUCT, HE MUST ENSURE THAT THE PROPER PERSONAL PROTECTIVE EQUIPMENT (PPE) IS PROVIDED CONSISTENT WITH INFORMATION CONTAINED IN THE PRODUCT MSDS.*

HMIS INFORMATION:	HEALTH:	3	FLAMMABILITY:	1	REACTIVITY:	0
NFPA INFORMATION:	HEALTH:	3	FLAMMABILITY:	1	REACTIVITY:	0

*THIS INFORMATION IS INTENDED SOLELY FOR THE USE OF INDIVIDUALS TRAINED IN THE PARTICULAR HAZARD RATING SYSTEM. THIS

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.