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## MATERIAL SAFETY DATA SHEET

### SECTION I - MATERIAL AND MANUFACTURER IDENTIFICATION

Manufacturer's Name:  
JEEN International Corp.  
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)

Date Last Revised: 11-17-99      Effective Date: 04/04/89

Chemical Name: COCAMIDE DEA (and) DIETHANOLAMINE  
Trade Name: **JEEMIDE X-45B**  
Chemical Family: COCAMIDE DEA (and) DIETHANOLAMINE  
COCAMIDE DEA CAS#: 68603-42-9  
DIETHANOLAMINE CAS#: 111-42-22  
HMIS HAZARD RATINGS: Health (2)      Fire (0)      Reactivity (0)

### Section 2 – Composition/Information on Ingredients

Ingredients:	OSHA PEL
Cocamide DEA (CAS 68603-42-9)	Not listed
Diethanolamine (CAS 111-42-2)	0.46 ppm, skin (ACGIH TLV)

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: Light yellow liquid  
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 cause burns to human eyes following contact.

#### **Skin 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 mice of both sexes. The significance of these findings is unclear and additional testing is unclear and additional testing is currently underway.

#### **Inhalation:**

High concentrations of mists or aerosols may irritate respiratory passage. No toxic effects are known to be associated with inhalation of the 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 rates, kidney weights.

**Eyes:** Immediately flush with plenty of water for at least 15 minutes. Have eyes examined and treated by medical personal.

**Skin:** Wash material off of the skin with plenty of soap and water. If redness, itching, or a burning sensation develops, get medical attention.



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### Section 4 First Aid Measures

**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.

### 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:** None known.  
**Explosion data:**  
Sensitivity to mechanical impact: Not applicable.  
Sensitivity to static discharge: Not applicable

### Section 6 Accidental Release Measure

Refer to Section 8 for proper personal protective equipment.

**Steps to be taken in case material released or spilled:** Soak up material with 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.

**Precaution to take during handling and storage:** Do not get in eyes. Prevent skin contact. Avoid breathing this material.

### 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 ACGTH TLV for diethanolamine is 0.46ppm (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:** Eyewash station and safety shower in work area.

### Section 9 Physical And Chemical Properties

Appearance & Odor: Light yellow liquid Odor threshold: No data.  
Boiling point: 348 ° F, 448.7 °C  
Melting point: No Data.  
Vapor pressure (mm Hg at 20 Deg. C): No Data  
Vapor Density (air = 1): No Data  
PH: (10% Aqueous): 10  
Specific Gravity; 0.9826  
%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:** This material is corrosive to rabbit eyes. A similar degree of irritation will probably occur after human eye contact.

**Carcinogenicity:** This material is not listed as a carcinogen by OSHA, IARC, and NTP.

**Reproductive toxicity/teratogenicity:** No available information.

**Toxicologically synergistic products:** None known.

### **Section 12 Ecological Information**

No Data is available on the 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. 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:** Regulation.  
**Proper shipping name:** Other regulated substances, liquid, n.o.s. (contains diethanolamine) RQ (diethanolamine)-100 lbs. or 45.4 KG.  
**Hazard class:** 9, PG III, other regulated Substance  
**UN/UN ID number:** NA3082  
**ERG number:** ERG# 171  
**TDG (Transportation of Dangerous Goods):** Regulated.

### **Section 15 Regulatory Information**

TSCA (Toxic Substances Control Act) Regulation, 40 CEF 710: All ingredients are on the TSCA Chemical Substance Inventory.

DSL (Canadian Domestic Substance List): All ingredients are listed on the Canadian DSL.

**Osha Hazard Communication Standard,**  
29 CFR 1910.1200, Hazard Summary:

Physical Hazards: None

**Health Hazard:** Corrosive (eve) Inhalation (TLV)

Class D, Division 2-- Toxic.

**WHMIS Classification:**

**CERCLA and Sara Regulations (40 CFR 355, 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



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#### Section 15 Regulatory Information Continued.....

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##### **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

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We assigned NFPA rating and HMIS ratings to this product based on the hazards of its ingredient (s0).

Because the customer 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.

The information here in is given in good faith but no warranty, expressed or implied, is made.

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THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSON WORKING WITH OR HANDLING THIS PRODUCT. JEEN INTERNATIONAL BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS.