



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 I – PRODUCT AND COMPANY NAME

Manufacturer Name: JEEN INTERNATIONAL CORPORATION
24 Madison Road Fairfield, NJ 07004
Telephone Number: 973-439-1401
Chemical Name: COCAMIDE DEA
Trade Name: JEEMIDE CKD
CAS #: 68603-42-9
Chemical Family: COCAMIDE DEA
Effective Date: 4/04/89
Last Revised: December 5, 2011

Chemtrec Emergency Telephone No.: 800-424-9300
Chemtrec International Telephone No.: 703-527-3887 (Collect Calls Accepted)

SECTION II – COMPOSITION (CTFA/INCI) INFORMATION OR INGREDIENTS

Hazardous Ingredients

Composition	CAS No.	Percentage (by wt.)	Carcinogen
Alkanolamide	Confidential	From 90 to 100 %	N/E
Diethanolamine	111-42-2	5%	N/E
Amide Ester	68440-04-0	From 1 to 4.9 %	N/E

N/E – None Established

SECTION 3 – Hazards Identification

Appearance: Clear Yellow Liquid
Odor: Mild oily
Principal Hazards Danger:
Causes severe skin irritation
Causes eye irritation
May be harmful if swallowed
May cause respiratory tract irritation
May cause chronic health effects
Target Organs: Kidney Liver

See Section 11 for complete health hazard information

SECTION 4 – FIRST AID MEASURES

Exposure to Eyes: Immediately flush with copious amounts of water for at least 15 minutes. Consult physician.
Exposure to Skin: Immediately flush with copious amounts of soap and water for 5 minutes. If irritation persists, contact physician. Launder contaminated clothing before reuse.
Exposure by Inhalation: Remove to fresh air. If irritation persists, contact physician.
Exposure by Ingestion: DO NOT INDUCE VOMITING. If patient is conscious and can swallow, give 2 glasses of water. Call physician or poison control immediately.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: >100 C, 212 F SETA (Minimum)
Extinguishing Media: CO₂, dry chemical, or foam. Water can be used to cool and protect exposed material.
Firefighting Procedures: Recommend wearing self-contained breathing apparatus. Water may cause splattering.
Unusual Fire & Explosion Hazards: See Section 10 for additional information.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill Procedure: Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Take precautions to avoid release to the environment. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways, dispose of in accordance with all federal, state and local environmental regulation. Pick up free liquid for recycle and or disposal. Residual liquid can be absorbed on inert material.

SECTION 7 – HANDLING AND STORAGE

Pumping Temperature: Not determined
Max. Handling Temp.: Not determined
Handling Procedures: Open container in a well-ventilated area. Avoid breathing vapors. Keep containers closed before reuse. Empty container contains product residue which may exhibit hazards of product. Do not eat, drink or smoke when using this product. Dispose of packaging or containers in accordance with local, regional, national and international regulations.
Max Storage Temp: Not determined
Storage Procedures: Take precautions to avoid release to the environment. Store in a cool, dry, well-ventilated area. Keep container closed when not in use. Do not store at temps greater than 120 deg F (49 def C). See section 10 for incompatible materials.
Loading Temp: Not determined

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Component	Exposure Guidelines					
	OSHA		ACGIH		OTHER	
	TWA		TWA	STEL	TWA	STEL
Diethanolamine	N/E	N/E	1 mg/cu. M (s)	N/E	N/E	N/E

(N/E) – None established

Other exposure limits: None Known
Engineering Controls: Use material in well-ventilated area only. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.
Gloves Procedures: Use nitrile or neoprene gloves.
Eye Protection: Chemical goggles or face shield.
Respiratory Protection: Under normal use conditions, respirator is not usually required.
Clothing Recommendation: Long sleeve shirt is recommended. Wear either a chemical protective suit or apron when potential for contact with material exists. Use nitrile rubber boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: >100 C, 212 F SETA (Minimum)
Upper Flammable Limit: Not determined
Lower Flammable Limit: Not determined
Autoignition Limit: Not determined
Explosion Data: Material does not have explosive properties.
Vapor Pressure: <1 mm HG (20 C)
pH: 9-10.5 at 1% in water
Specific Gravity: 0.97 (20 C)
pH: 9 – 10.5 at 1% in water
Specific Gravity: 0.97 (20 C)
Bulk Density: 8.09 Lb/gal, 0.97 Kg/L
Water Solubility: Dispersible
Percent Solid: Not determined
Percent Volatile: Not determined

Vapor Density >1 Air = 1

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES CONTINUED

Evaporation Rate	Not determined
Vapor Density:	>1 Air =1
Evaporation Rate	Not determined
Odor	Mild oily
Apperance	Clear yellow liquid
Viscosity	Not determined
Odor Threshold	Not determined
Boiling Point	Not determined
Pour Point Temp	Not determined
Melting / Freezing Pt.	Not determined

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

SECTION 10 – STABILITY AND REACTIVITY

Stability	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temp:	Not determined
Incompatibility	Strong bases. Strong oxidizing agents. Aldehydes. Ketones. Organic anhydrides. Halogens and halogenated compounds.
Polymerization	Will not occur
Thermal Decomposition	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of the following elements will be formed: nitrogen.
Conditions to avoid:	Not determined

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Exposure	
Eye Irritation	Moderate to strong eye irritation. Baed on data from components or similar materials.
Skin Irritation	Severe skin irritant. Based on data from components or similar materials. Prolonged or repeated contact may cause dermatitis.
Respiratory Irritation	May cause nose, throat, and long irritation. Based on data from components or similar materials.
Dermal Toxicity	The LD50 in rats 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.
Oral Toxicity	The LD50 in rats is 500-2000 mg/kg. Based on data from components or similar materials. Swallowing this material causes irritation of mouth, esophagus and stomach, with nausea, vomiting, diarrhea and abdominal pain.
Dermal Sensitization	No data available to indicate product or components may be a skin sensitizer
Inhalation Sensitization	Not data available to indicate product or components may be respiratory sensitizers.

Chronic Exposure

Chronic Toxicity	Repeated overexposure to alkanolamines may cause liver and kidney damage. Ingestion of diethanolamine had produced nervous system injury in dogs and rats. In addition, heart lesions have been observed in treated mice.
Carcinogenicity	This product contains greater than or equal to 1% diethanolamine. The National Toxicology Program recently complete studies which indicate that dermally-applied diethanolamine may have carcinogenic activity in laboratory animals. There are a number is scientific issues that raise questions about the validity and relevance of these studies. Research is expected to continue on these issues.
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 contain at greater than 0.1% may cause birth defects.

Additional Information

Other Nitrosamines may be formed under certain conditions. Nitrosamines are carcinogenic in animal studies.

SECTION 12 – ECOLOGICAL INFORMATION

Environmental Toxicity

Freshwater Fish Toxicity	The acute LC50 is 10 – 100 mg/L based on component data.
Freshwater Invertebrates	The acute EC50 is 10-100 mg/L based on components data
Algal Inhibition	The acute EC50 is 10-100 mg/L based on component data
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	1-10 % of the components display no potential to bioconcentrate.
Soil Mobility	Not determined

Additional Information

Other Nitrosamines may be formed under certain conditions. Nitrosamines are carcinogenic in animal studies.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/ Provincial, and local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

ICAO/IATA I:	Not Regulated
ICAO/IATA II	Not Regulated
IMDG	Not Regulated
IMDG EMS FIRE	Not Applicable
IMDG EMS SPILL	Not Applicable
IMDG MFAG	Not Applicable
MARPOL ANNEX II	Not Determined
USCG COMPATABILITY	Not Determined
U.S. DOT BULK	UN3082 Environmentally hazardous substance, liquid, n.o.s (Diethanolamine) 9, III, RQ (Diethanolamine)
DOT NAERG	171
U.S. DOT (INTERMEDIATE)	UN3082 Environmentally hazardous substance, liquid, n.o.s (Diethanolamine) 9, III, RQ (Diethanolamine)
U.S. DOT INTERMEDIATE NAERG	171
U.S. DOT NON-BULK	Not regulated
U.S. DOT NON-BULK NAERG	Not Applicable
CANADA	Not Regulated
MEXICO	Not Regulated
BULK QUANTITY	85000 KG, 187391 lbs
INTERMEDIATE QUANTITY	11000 KG, 24251 lbs
NON-BULK QUANTITY	400 KG, 882 lbs.

Review classification requirements before shipping materials at elevated temperatures.

SECTION 15 – REGULATORY INFORMATION

GLOBAL CHEMICAL INVENTORIES

USA ALL COMPONENTS OF THIS AMTERIAL ARE ON THE US TSCA INVENTORY OR ARE EXEMPT.
 OTHER TSCA REG. NONE KNOWN
 EU ALL COMPONENTS ARE IN COMPLIANCE WITH THE EC SEVENTH AMENDMENT DIRECTIVE 92/32/EEC.
 JAPAN THIS PRODUCT REQUIRED NOTIDICATION IN JAPAN
 AUSTRALIA ALL COMPONENTS ARE IN COMPLIANCE WITH CHEMICAL NOTIFICATION REQUIRMENTS IN AUSTRALIA.
 NEW ZEALAND THIS PRODUCT REQUIRED NOTIFICATION BEFORE SALE IN NEW ZEALAND.
 CANADA ALL COMPONENTS ARE IN COMPLIANCE WITH THE CANADIAN ENVIORNMENTAL PROTECTION ACT AND ARE PRESENT ON THE DOMESTIC SUBSTANCE LIST.
 SWITERLAND ALL COMPONENTS ARE IN COMPLIANCE WITH THE ENVIORNMENTALLY HAZARDOUS SUBSTANCES ORDINANCE IN SWITZERLAND.
 KOREA ALL COMPONENTS ARE IN COMPLIANCE IN KOREA.
 PHILIPPINES THIS PRODUCT REQUIRED NOTIFICATION BEFORE SALE IN THE PHILIPPINES.
 CHINA ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE INVENTORY OF EXISITNG CHEMICAL SUBSTANCES IN CHINA
 TAIWAN MAY REQRUE NOTIFICATION BEFORE SALE IN TAIWAN.

OTHER U.S. FEDERAL REGULATIONS

SARA EXT. HAZ. SUB. THIS PRODUCT DOES NOT CONTAIN GREATER THAN 1.0% OF ANY CHEMICAL SUBSTANCE ON THE SARA EXTREMELY HAZARDOUS SUBSTANCE LIST.
 SARA SECTION 313 5% DIETHANOLAMINE, CAS no.111-42-2
 SARA 311 CLASS.

ACUTE HAZARD	YES
CHRONIC HAZARD	YES
FIRE HAZARD	NO
REACTIVITY HAZARD	NO

**CERCLA HAZRDOUS SUBSTANCES
 TRANSIT REPORTABLE QUANTITIES**

Component	REPORTABLE QUANTITY RQ	UNITS	REPORTABLE QUANTITY RQ	UNITS
DIETHANOLAMINE	2022	LBS	917	KG

STATE REGUALTIONS

CAL. PROP. 65 THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN BY THE STATE OF CALIFORNIA TO CAUSE CANCER AND OR BIRTH DEFECT. MOREOVER, WE DO NOT ROUTINELY ANALYZE ITS PRODUCTS FOR IMPURITIES WHICH MAY BE SUCH CHEMICALS.

PRODUCT REGISTRATIONS

U.S. FUEL RESGISTRATION NOT APPLICABLE
 FINNISH ERGISTRATION # NOT REGISTERED
 SWEDISH REGISTRATION # NOT REGISTERED
 NORWEGIAN REGISTRATION # NOT REGISTERED
 DANISH REGISTRATION # NOT REGISTERED
 SWISS REGISTRATION # NOT REGISTERED
 ITALIAN REGISTRATION # NOT REGISTERED

OTHER / INTERNATIONAL
 MISCELLANEOUS REG.
 INFORMATION

NOT DETERMINED

SECTION 16 – OTHER INFORMATION

Disclaimer: As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with applicable federal, state and local regulations remains the responsibility of the user

US NFPA CODES

HEALTH	FIRE	REACTIVITY	SPECIAL
2	1	0	N/E

(NE) – None established

HMIS CODES

HEALTH	FIRE	REACTIVITY
2	1	0

PRECAUTIONARY LABELS:

DANGER

- CAUSES SEVERE SKIN IRRITATION
- CAUSES EYE IRRITATION
- MAY BE HARMFUL IF SWALLOWED
- MAY CAUSE RESPIRATORY TRACT IRRITATION
- MAY CAUSE CHRONIC HEALTH EFFECTS