



Material Safety Data Sheet

Section I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CAS #: 68603-42-9
FORMULA: Coconut Oil Diethanolamide
CHEM. FAMILY: Nonionic Surfactants
Product Name: Cocamide DEA

Supplier's Name: McKinley Resources
P.O. Box 810472
Dallas, TX 75381
(972) 620-9730 business (972) 421.1860 fax
info@mckinleyresources.com www.mckinleyresources.com

TRANSPORTATION EMERGENCY PHONE NUMBER: 1-800-424-9300

Section II. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: PRECAUTIONS

Wear protective equipment when handling. Use only with adequate ventilation. Wash thoroughly after handling. Do Not breathe vapor, mist, or dust. Do Not get in eyes on skin or clothing. Do not swallow.

ROUTE(S) OF ENTRY: Skin Contact, inhalation.

Potential Health Effects (ACUTE AND CHRONIC):
OVEREXPOSURE MAY AGGRAVATE DISORDERS TO:
Respiratory System, Skin.

OVEREXPOSURE MAY CAUSE DAMAGE TO,
DISORDERS OF, OR ADVERSELY AFFECT THE FOLLOWING SYSTEMS, FUNCTIONS, ORGANS:
Nervous System, Heart, Blood, Liver, Kidneys.

CARCINOGENICITY: A National Toxicology Program subcommittee has concluded that there is clear evidence of liver, cancer and some evidence of kidney cancer in mice dermally exposed for their lifetime to Diethanolamine or Cocamide DEA (Coconut Oil Diethanolamide). In other tests on other animals there was no evidence of cancer. These chemicals are not listed as carcinogens by OSHA, IARC or NTP.

PROPOSTION 65:

WARNING: This product *may* contain trace amounts of chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

EYE: Eye contact with product may cause irritation, burns, eye damage.

SKIN: Skin contact may cause irritation.
Prolonged or repeated skin contact may cause severe irritation, dermatitis, burns.

INHALATION: Inhalation may cause irritation, coughing.
Prolonged or repeated overexposure by inhalation may cause headache, nausea, drowsiness.



Section II. HAZARDS IDENTIFICATION CONTINUED

INGESTION: Ingestion may cause irritation, nausea, vomiting, diarrhea, dizziness, drowsiness, weakness, collapse, coma. Aspiration pneumonia. Aspiration (breathing) of liquid, mist, or vomit into lungs can cause aspiration (chemical) pneumonia, hemorrhaging (bleeding), lung damage, and even death. Symptoms of aspiration pneumonia include coughing, labored breathing and bluish skin.

Section III. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	MAX Percentage%	EXPOSURE LIMITS			SKIN	AGENT
			TWA/TLV ppm	STEL ppm	CEIL ppm		
Coco Diethanolamide Cocoamide DEA	68603-42-9	92.00					
Diethanolamine 2,2-Iminobisethanol	111-42-2	8.00	3.00 0.46			N Y	OSHA ACGIH

Section IV. FIRST AID MEASURES

EYE CONTACT:

Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids apart to ensure flushing of entire surface. Call a physician.

SKIN CONTACT:

Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse. Call a physician.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Call a physician.

INGESTION:

DO NOT induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician immediately.

Section V. FIRE FIGHTING MEASURES

FLASHPOINT (METHOD): > or = to 300 deg. F. (TOC)

FLAMMABLE LIMITS:(% Volume in Air) UPPER: N/D Lower: N/D

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES:

Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non-essential personnel. Firefighters should wear full face, self-contained breathing apparatus and impervious protective clothing. Do not use direct streams of water. Direct streams of water may splash and spread flaming liquid. Use water to cool containers exposed to fire.



Section V. FIRE FIGHTING MEASURES Continued.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
None currently known.

Section VI. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Evacuate non-essential personnel, eliminate ignition sources, and wear protective equipment (See Section VIII). Shut off source of leak only if safe to do so. Contain spill. Recover free product. To clean up residue, flush sparingly with water or use an absorbent. Avoid runoff to ground water, surface waters, and sewers. It may be necessary to remove contaminated soil. If product is flammable or combustible, use non sparking tools. If acidity (low pH) is a problem, neutralize with hydrated lime, soda ash, or sodium bicarbonate. If alkalinity (high pH) is a problem neutralize with dilute acetic acid or dilute hydrochloric (muriatic) acid. If required, notify state and local authorities.

DISPOSAL METHOD:

Solids must be disposed of in a permitted waste management facility. Recovered liquids may be reprocessed or incinerated. Incineration must be handled in a permitted facility. Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State.

Section VII. HANDLING AND STORAGE

HANDLING

For industrial use only. ATTENTION: This container hazardous when emptied. Since emptied container contains product residues (vapor or liquid), all labeled hazard precautions must be observed.

STORAGE

Keep container closed when not in use. Store in a cool dry place. Keep out of reach of children.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Local exhaust is desired in closed places.
Mechanical general ventilation is usually adequate. Local mechanical ventilation may be required.

RESPIRATORY PROTECTION: If exposure limits are exceeded, or if exposure may occur, use a NIOSH/MSHA respirator approved for your conditions of exposure. Refer to the most recent NIOSH publications concerning chemical hazards, or consult your safety equipment supplier. Respiratory protection programs must be in compliance with OSHA requirements in 29 CFR 1910.134. For emergencies, a NIOSH/MSHA approved positive pressure-breathing apparatus should be readily available.

EYE PROTECTION: Chemical goggles. Always wear eye protection when working with chemicals. Do Not wear contact lenses when working with chemicals.

SKIN PROTECTION: Impervious gloves, clean protective body clothing.

OTHER PROTECTIVE EQUIPMENT:

Safety shower, eye wash fountain, and washing facilities should be readily available.

WORK HYGIENIC PRACTICES: Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take First Aid action shown in Section IV. Launder contaminated clothing before reuse.



Section IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colored Liquid
Odor: Mild
pH: aqueous approx. > or = to 9.500
Boiling point/boiling range: > or = to 300 deg. F.
Freezing Point: N/D
Flash Point: > or = to 300 deg. F. (TOC)
Vapor Pressure: (MM HG.): > or = to 5.000 @ 280 deg. F.
Vapor Density: (Air =1): N/D
Solubility In Water: Complete
Specific Gravity:(H₂O=1): > or = to 0.9800 @ 68 deg. F.
Evaporation Rate: (NA =1): N/D
Percent Volatile by Volume: N/D

Section X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

MATERIALS TO AVOID: Inorganic acids, inorganic bases, organic acids, bleaching agents (oxidizers). Avoid contact with bleaching agents and oxidizers, which include chlorine, oxygen, permanganates, perchlorates, percarbonates, peroxides, chromates, hypochlorites, nitric acid, and sulfuric acid. May react with nitrites to form cancer causing nitrosamines.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Ammonia or amines, carbon monoxide, oxides of nitrogen, miscellaneous organic compounds, some possibly toxic.

HAZARDOUS POLYMERIZATION: Will not occur

Section XI. TOXICOLOGICAL INFORMATION

Data Not Available.

Section XII. ECOLOGICAL INFORMATION

Data Not Available.

Section XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers and waterways.

Section XIV. TRANSPORT INFORMATION

DOT (Department of Transportation)
Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S., (Diethanolamine)
Hazard Class: 9
UN/NA Number: UN3082
Packaging Group: II
Label Requirements: N/A



Section XV. REGULATORY INFORMATION

S.A.R.A.

HAZARDS: Acute

PHYSICAL DATA: Mixture Liquid

EPCRA APPLIES:

CAS# 68603-42-9 312: Y

313: N

CAS# 111-42-2 312: Y

313: Y

TSCA INVENTORY STATUS: Listed

TSCA, 40 CFR 710: Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Section 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

INTERNATIONAL INVENTORIES:

Canada (DSL): Listed

Europe: (EINECS): Listed

Australia (AICS): Listed

China (CIS): Unknown

Japan (MITI/ ENCS): Not all components Listed

WHIMS Classification: D2B, Irritant

REACH Classification: Xn; R22-48/22 – Xi; R38-41

R22: Harmful if swallowed.

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

R48/22: Harmful. Danger of serious damage to health by prolonged exposure if swallowed.

S2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S46: If swallowed, seek medical advice immediately and show this container or label

Section XVI. OTHER INFORMATION

HMIS HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: X

DATE ISSUED: 970210
DATE REVISED: 100113
SECTIONS: REACH & WHMIS

N/A = NOT APPLICABLE
N/D = NOT DETERMINED

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall McKinley Resources be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if McKinley Resources has been advised of the possibility of such damages.