

## Material Safety Data Sheet

### Cocamide DEA

#### Section 1 Chemical Product And Company Identification

Product name : Cocamide DEA  
Synonyms : N,N-bis(2-hydroxyethyl) cocoamide; Coconut diethanolamide (CDEA)  
Company Identification : Tradeasia International Pte Limited  
Address : 133 Cecil Street # 12-03 Keck Seng Tower, Singapore  
Tel:+65-6227 6365  
Fax:+65-6225 6286  
Email: contact@chemtradeasia.com

#### Section 2 Composition And Information On Ingredients

CAS#	Chemical Name	% Weight
68603-42-9	Cocamide DEA	100

**Toxicological Data on Ingredients:** Cocamide DEA: ORAL (LD50): Acute: 12200 mg/kg [Rat]. >10000 mg/kg [Rat].

#### Section 3 Hazards Identification

##### Potential Acute Health Effects:

Hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.

##### Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

## Section 4 First Aid Measures

### Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention

### Skin Contact:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

### Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

### Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:** Not available.

### Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

**Serious Ingestion:** Not available.

## Section 5 Fire And Explosion Data

**Flammability of the Product:** May be combustible at high temperature

**Auto-Ignition Temperature:** Not available

**Flash Points:** CLOSED CUP: 93.333°C (200°F).

**Flammable Limits:** Not available.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:**

Slightly flammable to flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks

### **Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

### **Fire Fighting Media and Instructions:**

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

### **Special Remarks on Fire Hazards:**

When heated to decomposition it emits acrid smoke and irritating fumes

**Special Remarks on Explosion Hazards:** Not available

## **Section 6 Accidental Release Measures**

### **Small Spill:**

Absorb with an inert material and put the spilled material in an appropriate waste disposal

### **Large Spill:**

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## **Section 7 Handling And Storage**

### **Precautions:**

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

### **Storage:**

Keep container tightly closed. Keep container in a cool, well-ventilated area.

## Section 8 Exposure Controls/ Personal Protection

### Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

### Personal Protection:

Splash goggles. Lab coat. Gloves. Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

### Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product

**Exposure Limits:** Not available.

## Section 9 Physical And Chemical Properties

Physical state and appearance	: Liquid.
Odor	: Not available.
Taste	: Not available.
Molecular Weight	: Not available.
Color	: Not available.
pH (1% soln/water)	: Not available.
Boiling Point	: Not available.
Melting Point	: Not available.
Critical Temperature	: Not available.
Specific Gravity	: 0.976-0.99 (Water = 1)
Vapor Pressure	: Not available.
Vapor Density	: Not available.
Volatility	: Not available.
Odor Threshold	: Not available.

<b>Water/Oil Dist. Coeff.</b>	: The product is more soluble in oil; log(oil/water) = 3.5
<b>Ionicity (in Water)</b>	: Not available.
<b>Dispersion Properties</b>	: Not available.
<b>Solubility</b>	: Insoluble cold water.

## Section 10 Stability And Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Excess heat, incompatible materials, light.

**Incompatibility with various substances:** Reactive with oxidizing agents.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Light sensitive.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur

## Section 11 Toxicological Information

**Routes of Entry:** Absorbed through skin. Eye contact.

**Toxicity to Animals:**

Acute oral toxicity (LD50): >10000 mg/kg [Rat].

**Chronic Effects on Humans:**

CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC.

**Other Toxic Effects on Humans:**

Hazardous in case of skin contact (irritant). Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals:** 12400 ul/kg LD50 oral Rat

**Special Remarks on Chronic Effects on Humans:** May cause cancer based on animal test data

**Special Remarks on other Toxic Effects on Humans:**

Acute Potential Health Effects: Skin: Causes skin irritation. It may be absorbed through skin. Acute Overexposure or polonged/repeated exposure by skin contact may affect the liver, urinary system (kidneys), and respiratory system. Eyes: Causes eye irritation. Inhalation: Inhalation of vapor or mist

may cause respiratory tract irritation. Ingestion: May cause digestive tract irritation. The toxicological properties of this substance have not been fully investigated

## Section 12 Ecological Information

### Ecotoxicity:

Ecotoxicity in water (LC50): 3.6 mg/l 96 hours [Fish (Brachydanio rerio)]. 4.2 mg/l 24 hours [Daphnia (daphnia magna)].

**BOD5 and COD:** Not available.

### Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** Not available

## Section 13 Disposal Considerations

### Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## Section 14 Transport Information

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable

**Special Provisions for Transport:** Not applicable.

## Section 15 Other Regulatory Information

**Federal and State Regulations:** TSCA 8(b) inventory: Cocamide DEA

### Other Regulations:

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 271-657-0). Canada: Listed on Canadian Domestic Substance List (DSL). China: Listed

on National Inventory. Japan: Not listed on National Inventory (ENCS). Korea: Listed on National Inventory (KECI). Philippines: Listed on National Inventory (PICCS). Australia: Listed on AICS.

**Other Classifications:**

**WHMIS (Canada):**

CLASS D-2B: Material causing other toxic effects (TOXIC).

**DSCL (EEC):**

R36/38- Irritating to eyes and skin. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37- Wear suitable gloves

**HMIS (U.S.A.):**

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: j

**National Fire Protection Association (U.S.A.):**

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

**Protective Equipment:**

Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

## Section 16 : Other Information

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 way shall Tradeasia International Pte. Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or

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