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Fil-Amide 182
Cocodiethanolamide
CAS No. 68603-42-9**1. Chemical Identification & Company Information****Chemical Identification**

Product Description	Fil-Amide 182
Chemical Name	Coco Fatty Acids Amide
Common Names	Cocodiethanolamide, Cocoamide

Company Information

Name of Company:	Chemrez Technologies Inc.
Company Address:	#65 Calle Industria, Bagumbayan Quezon City, Philippines, 1110
Contact Details:	T# 63 2 635-0680 F# 63 2 635-0703 E-mail: info@chemrez.com.ph Website: www.chemrez.com

2. Composition / Information on Ingredients

Component	CAS #	%
Cocodiethanolamide	68603-42-9	> 82
Glycerine	56-81-5	< 11
Diethanolamine	111-42-2	< 10

This product contains no hazardous materials**3. Hazards Information**

Appearance & Odor:	Yellow to light amber. Mild amine odor
Primary Route of Exposure:	Skin, eyes, and inhalation

Health Hazard Warnings:	Contact with eyes will cause moderate to severe irritation. Prolonged or repeated skin contact can cause severe irritation experience as redness, swelling and possible chemical burns. Overexposure to mists may cause upper respiratory tract irritation and coughing.
Inhalation:	Prolonged or repeated overexposure to mists may cause upper respiratory tract irritation and coughing, difficulty in breathing, shortness in breath and an inflamed throat
Eye Contact:	May cause moderate to severe irritation and possibly irreversible injury
Skin Contact:	May cause mild irritation to the skin with brief contact. Prolonged or repeated overexposure to liquid may cause more severe irritation, redness, swelling and possible chemical burns.
Ingestion	Can cause irritation to the mouth, throat, esophagus, vomiting, and diarrhea. Ingestion will cause irritation of the gastrointestinal tract, dizziness and weakness. May cause damage to liver and kidney.

4. First Aid Measures

Eyes:	Immediately flush eyes with water for 10-15 minutes. Hold eyelids apart and roll eyes up and down to assure complete washing. Seek medical attention.
Skin:	Thoroughly flush the affected area with plenty of water while removing contaminated clothing and equipment. Wash with water for at least 15 minutes.
Inhalation:	Immediately move the patient to fresh air and call a physician. If breathing is difficult, give oxygen. If not breathing, begin artificial respiration.

Ingestion: Give one or two glasses of water and call a physician. Never give anything by mouth to an unconscious person. Only induce vomiting at the instruction of a physician.

5. Fire Fighting Measures

Flash Point: Not known
Flammability Limits: No data available
Extinguishing media: CO₂, dry chemical, foam, water spray (fog), halon.

Special Firefighting Procedures: Use water spray to cool drums exposed to fire

Unusual Fire & Explosion: As in any fire prevent human exposure to fire; smoke, fumes or products of combustion firefighters should wear recommended exposure control equipment including a self-contained breathing apparatus. Cool containers with water that are exposed to flames.

Hazardous Combustion Products: Combustion may produce CO and or CO₂

6. Accidental Release Measures

If material is released or spilled: Absorb spill with an inert material (i.e. vermiculite, soil, etc.). Sweep or scoop material into a container for disposal. Flush spill area with plenty of water to a chemical sewer. Collect water for proper disposal.

Personal Protective Equipment: Appropriate protective equipment must be worn when handling a spill.

7. Handling and Storage

Store in closed containers between 50 F and 120 F
 Keep away from oxidizing agents, excessive heat, and ignition sources
 Store and use in well ventilated areas away from moisture intake
 Do not store or use near heat, spark, or flame, store out of sun

8. Exposure Control & Personal Protection

Exposure Limits:	Not Known
<u>Personal Protection:</u>	
Respiratory:	None required under normal conditions of use. NIOSH/MSHA approved respirator if necessary or if vapors or mist are generated
Protective clothing:	Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing. Skin contact with material should be minimized through the use of suitable impervious gloves. Butyl rubber or neoprene gloves are recommended.
Engineering controls:	Good general ventilation in addition to local exhaust ventilation should be provided.
Other protective measures:	Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

9. Physical and Chemical Properties

The data below are typical and do not constitute a specification

Appearance	Clear yellow to amber viscous liquid
State	Liquid
Odor	Mild amine
pH	9 - 11
Vapor pressure	< 1 mmHg
Boiling Point	No data available
Melting Point	No data available
Specific Gravity	1.0 @ 25 C
Solubility	Soluble in water
Evaporation rate, butyl acetate = 1	< 1
Kinematic Viscosity @ 40 C	2.66 mm ² /sec
Flashpoint	Not known

10. Stability and Reactivity

General:	Stable under normal conditions of storage and handling.
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Conditions to avoid:	Avoid contact with heat, sparks, flame and all other ignition sources
Materials to avoid:	Strong acids, bases and oxidizing agents
Hazardous Decomposition:	Combustion produces carbon monoxide, carbon dioxide along with thick smoke

11. Toxicological Information

Acute Data	Diethanolamine: Oral LD50 (rat) : 710 – 2,300 mg/kg; Dermal LD50 (rabbit) : 12,000 mg/kg
Sensitization:	Cocodiethanolamide is not known to be a sensitizer
Carcinogenicity/Mutagenicity:	Cocodiethanolamide is not known to be a human or animal carcinogen.

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12. Ecological Information

No information available

13. Disposal Considerations

Waste Disposal:	This product if discarded as supplied, is considered non-hazardous as defined by RCRA. Waste may be disposed of by licensed waste disposal company. Contaminated absorbent material may be disposed of in an approved landfill. Follow local, state and federal disposal regulations.
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14. Transport Information

Shipping Description:	Non-regulated in containers less than 2,000 lbs.
Bulk Containers:	RQ, Environmentally hazardous substance, liquid, n.o.s. (Diethanolamine) Hazard Class: 9 ; ID No.: UN3082 PG: III ; Labels Class 9

15. Regulatory Information

SARA Title III:

Section 311/312:

This product is categorized as an immediate and delayed health hazard according to EPA under section 311/312 of SARA

Section 313:

This product contains the following chemicals subject to 313 reporting:

Diethanolamine 111-42-2

CERLA:

Diethanolamine 111-42-2

Chemical Control Law Status:

All components of this product are listed or are excluded from listing on the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory

WHMIS Ingredient Disclosure List:

Diethanolamine 111-42-2

16. Other Information

HMIS Ratings: Health: 2 Flammability: 0 Reactivity: 0

(0-least, 1-slight, 2-moderate, 3-high, 4-extreme) These values are obtained using guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association.