



Material Safety Data Sheet
Coconut fatty acid diethanolamide

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1. Identification of the product and of the company

Product name: Coconut fatty acid diethanolamide
Chemical name: CDEA
Chemical formula: $\text{CH}_3(\text{CH}_2)_n\text{C}(=\text{O})\text{N}(\text{CH}_2\text{CH}_2\text{OH})_2$

Company/undertaking identification:
IRAN CHEMICALS & PETROCHEMICALS Ind.'s Co.
No. 10, Niknam St., Shams-e Tabrizi St., Mirdamad Ave., Tehran 1919914143 IRAN
Tel. +98 (21) 22902969
Fax +98 (21) 22923287

2. Composition/information on ingredients

Coconut fatty acid diethanolamide
Cas# 68603-42-9

3. Hazards identification of the product

Eye contact can cause severe irritation, redness, blurred vision and severe permanent damage.

Skin contact can cause severe irritation.

4. First aid measures

In case of discomfort, consult a physician.

after inhalation:

Remove to fresh air. If necessary, give oxygen and contact a physician.

after skin contact:

Immediately flush with a lot of water and soap for 5 minutes. If irritation persists, contact a physician immediately.

after eye contact:

Flush eyes with copious amounts of cool water. Continue flushing for at least 15 minutes. Do not let victim rub eyes and consult a physician.

after ingestion:

If victim is conscious and able to swallow, quickly have victim drink water to dilute. Induce vomiting only if advised by physician or poison control center. Call physician immediately.



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5. Fire-fighting measures

Suitable extinguishing media:

foam, extinguishing powder, carbon dioxide

flash point: >188 °C

Fire Potential: This chemical is probably combustible.

6. Handling and storage

Storage:

Keep in sealed containers under normal cool, dry warehouse conditions.

Packing materials:

Iron or polyethylene drums.

7. Accidental release measures

Personal precautions:

Avoid contact with skin and eyes.

Environmental precautions:

Do not allow to flow into drainage system.

Methods of cleaning up:

Mix material with moist absorbent and shovel into waste container. Wash down spill area with water containing detergent and flush to a sewer serviced by wastewater treatment facility.

8. Exposure controls / personal precaution

Respiratory protection: Not required

Protective clothing: wear protective clothing to prevent skin contact, impervious gloves.

Eye protection: protective goggles

Engineering hygienic measures: In accordance with good industrial practice handle.

9. Physical and chemical properties

Appearance: Yellowish clear liquid

pH (2% aq. Solution at 20°C) : 9-11

Molecular weight: 280-290 (g/mol)

Solubility: soluble in water

Glycerin(%):9-9.5

Free amine(%):2.5-5

Total amide(%):84-86

Free fattyacid(%):0.1-0.5



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10. Stability and reactivity

Chemical stability: stable under normal conditions of use

Hazardous decomposition:
Nitrous oxides and ammoniacal vapors.

Conditions material to avoid: Keep away from heat and flames.

Incompatibility: strong oxidizing agents.

11. Toxicological information

Mutagenicity: No data.

Ingestion:
Oral rat LD50: > 3000 mg/kg

Dermal and eye irritation test:
Moderately irritating.

12. Ecological information

Ecotoxicity no data available.

13. Disposal considerations

Dispose of in accordance with the approval of the responsible local authority.

14. Transport information

**Not a hazardous material according to RID/ADR
ADNR, IMDG, ICAO-TI/IATA-DGR.**

15. Regulatory information

Classification and labelling according to GefStoffV:

Symbols of danger: Xi irritant

R-phrases:

R36/38: irritating to eyes and skin

S-phrases:

S25: Avoid contact with eyes

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

S37/39: Wear suitable gloves and eye/face protection



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16. Other information

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.