MATERIAL SAFETY DATA SHEET

Coco Diethanol Amide (CDEA)

Supplier: Cosmo Chemistry India Pvt. Ltd.

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Sr. no.	Particulars	Details
1	**Chemical Identification**	Coco Diethanolamide
2	**Composition**	**CAS #:** 68603-42-9 **MF:** C22H42O6
3	**Hazards Identification**	Can cause eye irritation. Symptoms include stinging, tearing, redness and swelling of eyes. Can injure eye tissue. Can cause skin irritation. Symptoms may include redness and burning of skin. Swallowing large amounts may be harmful.
4	**First aid measures**	**Swallowed:** If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. **Eye:** If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek medical attention. **Skin:** If skin contact occurs, wash skin thoroughly with water and follow by washing with soap if available. If irritation persists, seek medical attention. **Inhaled:** Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. **First Aid facilities:** Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers. **Advice to Doctor:** Treat symptomatically. **Additional Information:** None available.
5	**Fire fighting measures**	**Suitable Extinguishing Media:** For a small fire use dry chemicals, carbon dioxide, water spray or foam. For large fires use water spray, fog or foam. Do not use water in a jet. **Hazards from combustion products:** When heated to decomposition, may emit oxides of carbon and nitrogen. May also emit ammonia. **Precautions for Fire Fighters and Special Protective Equipment:** Wear full protective clothing and self-contained breathing apparatus. **Additional Information:** No additional remark.
6	**Accidental release measures**	Observe all local and national regulations. **Spills and Disposal, Methods and Materials for Containment and Clean Up Procedures:** For small spills, use appropriate tools to put spilled material in a convenient waste disposal container. For large spills, use appropriate instruments to put the spilled material in a waste disposal container. Dispose of in accordance with regional regulations. Surface will be slippery after spillage.
7	**Handling and storage**	**Precautions for Safe Handling and Storage:** Avoid contact with eyes, skin and clothing. DO NOT ingest. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas.

		Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near strong oxidants.
8	**Exposure controls and personal protection**	**Biological Limit Values:** No biological limit allocated. **Respiratory Protection:** Wear appropriate respirator when ventilation is inadequate. **Hand Protection:** Use solvent resistant gloves. Nitrile, PVC or neoprene. **Eye Protection:** Wear safety goggles. **Protective Clothing:** No special protection is ordinarily required beyond standard issue work clothes. **Engineering Controls:** Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.
9	**Physical and chemical properties**	**Appearance:** Light brown liquid **Odour:** Ammoniacal **pH:** 10% solution 8.0–11 **Vapour Pressure (mmHg @ 20°C):** <0.1 **Vapour Density (air = 1):** N/A **Boiling Point (°C):** >260 **Freezing/Melting Point (°C):** N/A **Solubility in Water:** Soluble **Specific Gravity (g/ml @ 15°C):** 1.00 **Flashpoint (°C):** 94 (PMCC) **Flammability Limits (%):** N/A **Auto Ignition Temperature (°C):** N/A **Percent Volatiles:** N/A
10	**Stability and reactivity**	**Chemical Stability:** Stable under normal conditions of use. **Conditions to Avoid:** Avoid heat, sparks, open flames and other ignition sources. **Incompatible Materials:** Strong oxidising agents and strong acids. **Hazardous Decomposition Products:** Burning can produce ammonia, carbon monoxide and/or carbon dioxide, and oxides of nitrogen.
11	**Toxicological information**	**Swallowed:** Oral rat LD50 2.0–5.0 g/kg for fatty acid diethanolamide, 620 µl/kg for diethanolamine; Oral Rabbit 2200 mg/kg for rabbit. **Eye:** Irritating to the eyes. **Skin:** Repeated skin contact may cause a persistent irritation or dermatitis. **Inhaled:** Irritates the nose and throat, may cause headache, nausea and drowsiness.
12	**Ecological information**	**Ecotoxicity:** Avoid contaminating waterways. **Mobility:** Miscible with water. **Persistence/degradability:** Biodegradable as per Detergent Regulation (CE) N° 648/2004.
13	**Disposal information**	Ensure waste disposal conforms to local waste disposal regulations.
14	**Transport information**	As per IATA Rules (Air Transportation) **UN No.:** Not Applicable **UN Pack group:** Not applicable **UN Class–primary:** Not applicable
15	**Regulatory information**	**Poisons Schedule:** 5 **AICS:** Listed **Dangerous Goods Initial Emergency Response Guide (SA HB76:2004):** N/A

16	**Other information**	NA

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