

MATERIAL SAFETY DATA SHEET

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

SUPPLIER: ECM Supply LLC  
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EMERGENCY LABORATORY CONTACT: 1-800-424-9300

PRODUCT NAME: ECM Drill Soap – Air Foam  
CHEMICAL DESCRIPTION: Foaming Agent for Air Drilling  
PRODUCT USE/CLASS: Air Drilling / Blend  
MSDS REVISION DATE:

**2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS**

COMPONENT	EXPOSURE LIMITS	CAS#	% BY WEIGHT
Cocamidopropyl		61789-40-0	15-25
Glycerin		56-81-5	.5-2.5
Ammonium Alkyl Ether Sulfate		Proprietary	20-35
Butyl Cellosolve		111-76-2	2.5-5

\*Composition/specific chemical identities are withheld as a trade secret under the provisions of OSHA hazard communication standard 29 CFR 1910.1200

\* Product isn't considered hazardous according to criteria set under the US Federal OSHA Hazard Communication Standard (29 CFR 1910.1200)

**3. HAZARD IDENTIFICATION**

**OVERVIEW:** Harmful in contact with eyes and skin. Prolonged exposure may cause chronic effects

**EYE:** Eye contact may result in corneal injury. Contact may irritate or burn eyes. Do not get this material in contact with eyes.

**SKIN:** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Avoid contact with the skin.

**INGESTION:** Components of the product may be absorbed into the body by ingestion. Do not ingest.

**INHALATION:** Prolonged inhalation may be harmful. Avoid breathing dust/fume/gas/mist/vapors/spray.

**CHRONIC INFORMATION:** Conjunctiva. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

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**PRIMARY ROUTE(S) OF ENTRY:** Inhalation. Ingestion. Skin contact. Eye contact.

**4. FIRST AID MEASURES**

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**SKIN CONTACT:** Wash off with warm water and soap. Get medical attention if irritation develops and persists.

**INGESTION:** Rinse mouth thoroughly. Do not induce vomiting. If ingestion of a large amount does occur, call a poison control center immediately. Never give liquid to an unconscious person.

**INHALATION:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

**5. FIRE FIGHTING MEASURES**

**FLASH POINT:**

**AUTOIGNITION TEMPERATURE:**

**EXTINGUISHING MEDIA:** Water Spray, Water Fog, Foam Dry Chemical Powder, Carbon Dioxide

**SPECIAL FIRE FIGHTING PROCEDURES:**

**FIRE AND EXPLOSION HAZARDS:** Wear suitable protective equipment. Move containers from fire area if you can do so without risk. May include oxides of phosphorus. Carbon monoxide and carbon dioxide.

**DECOMPOSITION PRODUCTS:**

**NFPA RATINGS:** HEALTH: 2    FLAMMABILITY: 0    REACTIVITY: 1    SPECIAL HAZARD:

**6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:** Use of appropriate protective equipment. Prevent from entering sewers, waterways, or low areas.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove

**7. HANDLING AND STORAGE**

**HANDLING:** Keep containers closed when not in use. Do not discharge into the environment. Avoid contact with skin or eyes. When handling, do not drink, eat or smoke. Protect material from direct sunlight.

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**STORAGE:** Keep from freezing. Store in a well-ventilated place. Keep container tightly closed. Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children. Use care in handling/storage. Do not store at temperatures above 120°F (49°C).

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**RESPIRATORY PROTECTION:** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

**SKIN PROTECTION:** Wear appropriate chemical resistant clothing. Chemical resistant gloves.

**EYE PROTECTION:** Do not get in eyes. Chemical goggles are recommended. Eye wash fountain is recommended

**OTHER PROTECTIVE EQUIPMENT:**

**HYGIENIC PRACTICES:** Do not get in eyes. Avoid contact with skin. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practices

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Pale Yellow Liquid
Physical state	Liquid.
Form	Liquid.
Color	Pale Yellow
Odor	Mild Alcohol
Odor threshold	NA
pH	7 – 7.5 (10% aqueous)
Vapor Pressure	NA
Density	8.69 lb/gal
Vapor Density (Air=1):	> 1.0
Pour Point	-6°F (-23o C) ASTM D97
Solubility (water)	Soluble
Solubility (other)	
Specific gravity	1.041
Relative density	NA
Flash Point	>201°F (>94° C) ASTM D92
Flammability limits in air, upper, % by volume	NA.
Flammability limits in air, lower, % by volume	NA
Auto-ignition temperature	NA

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VOC NA  
Viscosity NA  
Percent volatile 45% by weight

**10. STABILITY AND REACTIVITY DATA**

**CONDITIONS TO AVOID:** Do not freeze. Avoid temperatures exceeding the flash point

**INCOMPATIBILITY:** NA

**HAZARDOUS DECOMPOSITION PRODUCTS:** Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

**HAZARDOUS POLYMERIZATION:** NA

**CHEMICAL STABILITY:** Material is stable under normal conditions.

**11. TOXICOLOGICAL INFORMATION**

**Eye Irritation:** see Sections 3, 4.

**Skin Irritation:** see Sections 3, 4.

**12. ECOLOGICAL INFORMATION**

Airfoam (Mixture) LC50 Freshwater Fish: 1-10 mg/l estimated  
EC50 Freshwater Invertebrates: 1-10 mg/l estimated  
EC50 Algal Inhibition: 10-100 mg/l estimated

\* Estimates for product may be based on additional component data not shown.

**Ecotoxicity** Contains a substance which causes risk of hazardous effects to the environment.

**Environmental effects** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Biodegradation** This product will biodegrade rapidly based on OECD 301 type test data. Meets ready biodegradation criteria.

**13. DISPOSAL CONSIDERATIONS**

**TSCA STATUS:** Exempt

**RCRA:**

**HAZARDOUS WASTE NUMBER:**

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REPORTABLE QUANTITY (40 CFR 302):

THRESHOLD PLANNING QUANTITY (40 CFR 335):

CALIFORNIA PROPOSITION 65 INFORMATION:

**14. TRANSPORTATION INFORMATION**

Not regulated as dangerous goods.

**15. REGULATORY INFORMATION**

RCRA STATUS: Exempt

HAZARDOUS WASTE NUMBER:

REPORTABLE QUANTITY (40 CFR 302): NA

THRESHOLD PLANNING QUANTITY (40 CFR 355):

Hazard categories	Acute Hazard - Yes
	Chronic Hazard - Yes
	Fire Hazard - No
	Reactivity Hazard – No

Section 313 hazardous	Butyl Cellosolve
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PA – Butyl Cellosolve (CAS 111-76-2) Listed Hazardous

**16. OTHER INFORMATION**

HMIS RATING – HEALTH: 2    FLAMMABILITY: 0    REACTIVITY: 1    PERSONAL PROTECTIVE RATING:

VERSION NUMBER:

REPLACES:

REVISION INFORMATION:

LEGEND: N.A. – NOT APPLICABLE, N.E. - NOT ESTABLISHED, N.D. – NOT DETERMINED

THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE, ALTHOUGH NO GUARANTEE OR WARRANTY IS

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