



AQUA-CLEAR, INC.

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: AC 1 EBF

Preparation Date: July 26, 2013

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS REVISION #: New

PRODUCT NAME: AC 1 EBF

SYNONYMS: None

USE: Air drilling foamer

DISTRIBUTED BY: Aqua-Clear, Inc.
608 Virginia Street, East
Charleston, West Virginia 25301

PHONE NUMBERS: Office: (304) 343-4792, Fax: (304) 345-3535
Transportation Emergencies:
Chemtrec (800) 424-9300 (CCN1573)

SECTION 2 - HAZARDS IDENTIFICATION

***** **EMERGENCY OVERVIEW** *****

Warning! Product is a clear, yellow or orange-colored liquid with little or no odor. It may cause irritation to the skin and eyes. Excessive inhalation of vapors may cause irritation to the respiratory tract.

Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Wear protective goggles and gloves handling this product. Wash thoroughly after handling.

OSHA Regulatory Status: This product is considered hazardous under 29 CFR 1910.1200 (HazCom)

POTENTIAL HEALTH EFFECTS

LIKELY ROUTES OF EXPOSURE:
Eye and skin contact and inhalation

EYES:
Can cause redness and irritation.

SKIN:
Can cause mild irritation. Prolonged or repeated contact can cause dry skin, defatting and dermatitis. Persons with pre-existing skin disorders may be particularly susceptible.

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SECTION 2 - HAZARDS IDENTIFICATION (continued)

INGESTION (swallowing):

May cause nausea and vomiting.

INHALATION (breathing):

Prolonged inhalation of high concentrations of vapors may cause chronic adverse effects.

CHRONIC EFFECTS/CARCINOGENICITY:

This product (or components >0.1%) is not listed in IARC Monographs, the current NTP Report on Carcinogens or the ACGIH TLVs as a carcinogen or potential carcinogen. OSHA does not regulate it as a carcinogen.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>%</u>	<u>CAS No.</u>
Diethylene glycol monobutyl ether	10-20	112-34-5
Sulfonic Acids, C ₁₄₋₁₆ alkane hydroxy and C ₁₄₋₁₆ alkene, sodium salts	1-25	68439-57-6

SECTION 4 - FIRST AID MEASURES

EYE CONTACT:

Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lens if present and easy to do so. Get medical attention if irritation develops and persists.

SKIN CONTACT:

Wash exposed area with lots of soap and water. Remove contaminated clothing and launder before re-use. If irritation develops and persists, contact a physician.

INGESTION (swallowing):

Get medical advice/attention if you feel unwell. If ingestion of a large amount does occur, call a poison control center immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without medical advice. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

INHALATION (breathing):

If affected, move to fresh air. If breathing has stopped, give artificial respiration and call a physician.

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SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

This material is not easily ignited, but will burn if heated sufficiently. It meets the NFPA definition of a Class IIIB – combustible liquid.

EXTINGUISHING MEDIA:

Use water fog, alcohol-resistant foam, dry chemical or carbon dioxide.

PROTECTION OF FIREFIGHTERS:

Keep personnel removed from and upwind. Wear full protective clothing and self-contained breathing apparatus with full face-piece. Cool containers with water. Water or foam may cause frothing which can be violent, especially if sprayed into containers of hot, burning liquid. Combustion products include carbon monoxide, carbon dioxide and various hydrocarbons.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Persons not wearing protective equipment should be excluded from the area of the spill until clean up has been completed. Dike area of spill with sand or dirt to prevent spreading. Pump liquid to salvage tank or other containers. Remaining liquid may be absorbed on vermiculite or other absorbent material and shoveled into containers.

SECTION 7 - HANDLING AND STORAGE

HANDLING:

Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors. Wash thoroughly after handling.

STORAGE:

Keep in tightly closed containers when not in use. Keep away from heat, sparks and open flames. Store in a cool, dry place with adequate ventilation.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Not established for product or components

ENGINEERING CONTROLS:

Provide sufficient ventilation to maintain exposure below level of overexposure..

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

EYE / FACE PROTECTION:

Chemical splash goggles in compliance with OSHA regulations are advised.

SKIN PROTECTION:

Wear protective gloves such as Neoprene or Buna-N and normal work clothing covering arms and legs.

RESPIRATORY PROTECTION:

Not required under normal conditions of use; however, a NIOSH/MSHA approved respirator is recommended where there is insufficient ventilation or engineering controls to maintain exposure below level of overexposure.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, yellow or orange-colored liquid @ 68° F (20° C)
Odor: Little or no odor
Specific Gravity: 1.04-1.07 @ 77° F (25° C)
Weight/Gallon: 8.67-8.92 lb./gal.
Evaporation Rate: Slower
(Butyl acetate = 1)
Solubility in Water: Fully miscible
Vapor Pressure: Unavailable

Vapor Density: Unavailable
Initial Boiling Point: Unavailable
Freezing/Melting Point: Unavailable
Volatile %: Unavailable
pH: 6.5-8.5 (as is)
Flash Point: >200° F (93.3° C)
Upper Explosion Limit: Unavailable
Lower Explosion Limit: Unavailable
Autoignition Temperature: Unavailable

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Stable under normal conditions of 70° F (21° C) and 14.7 psig (760 mm Hg)

CONDITIONS TO AVOID:

Heat, flames and sparks

INCOMPATIBILITIES (materials to avoid):

Avoid contact with strong oxidizing agents and caustics

HAZARDOUS DECOMPOSITION PRODUCTS:

No hazardous decomposition products known

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SECTION 11 - TOXICOLOGICAL INFORMATION

No data is available for the product; however, the following is available for components:

Component toxicity data:

Diethylene glycol monobutyl ether (112-34-5)

Acute Oral (rat) LD₅₀: 4500 mg/kg

Acute Dermal (rabbit) LD₅₀: 2700 mg/kg

Sulfonic acids, C₁₄₋₁₆- alkane hydroxy and C₁₄₋₁₆-alkene, sodium salts
(CAS# 68439-57-6)

Acute Oral (rat) LD₅₀: 2310 mg/kg

Acute Dermal (rabbit) LD₅₀: 6300 mg/kg

Local effects - Irritating to eyes, respiratory system and skin.

Chronic effects - Prolonged inhalation may be harmful.

Carcinogenicity - This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

SECTION 12 - ECOLOGICAL INFORMATION

AQUATIC TOXICITY (product):

48-hr EC₅₀ (daphnia): 99 mg/L (estimated)

96-hr LC₅₀ (fish): 130 mg/L (estimated)

AQUATIC TOXICITY (component)

Diethylene glycol monobutyl ether (112-34-5)

96-Hr LC₅₀ (Lepomis macrochirus): 1300 mg/L (static)

96-Hr LC₅₀ (Menidia beryllina): 1250 mg/L

Sulfonic acids, C₁₄₋₁₆- alkane hydroxy and C₁₄₋₁₆-alkene, sodium salts
(CAS# 68439-57-6)

48-hr EC₅₀ (Cereiodaphnia dubia): 4.14-4.95 mg/L

96-hr LC₅₀ (fish): 5.5 mg/L

ENVIRONMENTAL EFFECTS:

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

ECOTOXICITY:

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

PERSISTENCE AND DEGRADABILITY:

Not available

BIOACCUMULATIVE POTENTIAL:

Octanol/water partition coefficient log Kow
Diethylene Glycol Monobutyl Ether 0.56

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SECTION 13 - DISPOSAL CONSIDERATIONS

Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.20-24). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

SECTION 14 - TRANSPORT INFORMATION

Not regulated under current DOT (US), TDG (Canada), IMDG (ocean), or IATA (air) regulations.

SECTION 15 - REGULATORY INFORMATION

US federal regulations

OSHA	This product is a "Hazardous Chemical" as defined by 29 CFR 1910.1200.
TSCA	All components are on the U.S. EPA TSCA Inventory List. None of the materials in this product is subject to export notification under TSCA Section (12 (b))
DEA	Not regulated as an Essential Chemical
CERCLA	Not regulated as a Hazardous Substances
SARA 302	Extremely hazardous substance – No
SARA 311/312	Not listed
SARA 313	Not listed
SARA	Hazard categories: Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard – No

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SECTION 15 - REGULATORY INFORMATION (continued)

International Regulations

Inventory Status

Country (or region)	Inventory Name	On Inventory (Yes or No)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
United States	Toxic Substances Control Act (TSCA) Inventory	Yes
New Zealand	New Zealand Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

WARNING! This product contains a chemical known to the State of California to cause cancer - Formaldehyde (CAS# 50-00-0)

SECTION 16 - OTHER INFORMATION

HAZARD RATINGS:

	<u>HMIS®</u>	<u>NFPA</u>	
HEALTH	1	1	0 - LEAST
FIRE	1	1	1 - SLIGHT
Physical Hazard	0		2 - MODERATE
Instability		0	3 - HIGH
			4 - EXTREME

REASON FOR REVISION:

New SDS

The product information contained herein is believed to be accurate as of the date of the Material Safety Data Sheet, and is provided without warranty, expressed or implied, as to the results of use of this information or the product to which it relates. Recipient assumes all responsibility for the use of this information and the use (alone or in combination with any other product), storage or disposal of the product, including any resultant personal injury or property damage.

****END OF REPORT****