



AQUA-CLEAR, INC.

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: Airfoam HD

Preparation Date: 7/11/05

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS REVISION #: 001

PRODUCT NAME: Airfoam HD

SYNONYMS: None

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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>%</u>	<u>CAS No.</u>	<u>Exposure Limits</u>
2-Butoxyethanol	7-13	111-76-2	OSHA PEL – 50 ppm (skin) ACGIH TLV – 20 ppm (skin)

SECTION 3 - HAZARDS IDENTIFICATION

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

Product is a hazy, brown liquid. It can cause skin and eye irritation. May cause allergic skin reaction. Harmful or fatal if swallowed. Inhalation of high concentrations of vapors can have a narcotic effect.

Where protective goggles and gloves when handling this product. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors. Wash thoroughly after handling.

POTENTIAL HEALTH EFFECTS

EYES:

Can cause severe eye irritation with tearing and redness.

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SECTION 3 - HAZARDS IDENTIFICATION (continued)

SKIN:

Can cause irritation, which may be severe. Can be absorbed through the skin in toxic amounts. May cause allergic skin reaction. Persons with pre-existing skin conditions are particularly susceptible.

INGESTION (swallowing):

Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. Toxic! May cause systemic poisoning with symptoms paralleling those of inhalation.

INHALATION (breathing):

Causes irritation to the respiratory tract. Symptoms may include sore throat, coughing, headache, nausea and shortness of breath. High concentrations have a narcotic effect. Prolonged or repeated exposures can cause damage to the liver, kidneys, lymphoid system, blood and blood-forming organs. Persons with pre-existing skin disorders, eye problems, impaired liver, kidney, blood, respiratory or lymphoid system function may be more susceptible to the effects of the substance.

CHRONIC EFFECTS/CARCINOGENICITY:

This product (or component) is not listed in IARC Monographs or the NTP Eleventh Annual Report. ACGIH reports that 2-butoxyethanol is carcinogenic in animals (A3). OSHA does not regulate it as a carcinogen.

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. Get medical attention. Do **not** use chemical antidote.

SKIN CONTACT:

Wash exposed area with lots of soap and water. Remove contaminated clothing and launder before re-use.

INGESTION (swallowing):

Immediately drink two glasses of water and induce vomiting. Keep head below hips to avoid aspiration of material into lungs. Never give anything by mouth to an unconscious person. Get immediate medical attention.

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

FLASH POINT: >200° F (93° C)

FLASH POINT METHOD: Not available

UPPER EXPLOSION LIMIT:

Unavailable

LOWER EXPLOSION LIMIT:

Unavailable

AUTOIGNITION TEMPERATURE:

Unavailable

EXTINGUISHING MEDIA:

Dry chemical, water fog, carbon dioxide and regular foam

FIRE AND EXPLOSION HAZARDS:

None known

FIRE-FIGHTING EQUIPMENT:

Keep personnel removed from and upwind. Wear full protective clothing and self-contained breathing apparatus with full face-piece. Cool containers with water. Combustion products include toxic fumes, carbon monoxide and carbon dioxide.

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 closed or covered containers when not in use. Store in cool dry place with adequate ventilation.

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

A NIOSH/MSHA approved supplied air respirator or canister-type respirator equipped with organic vapor cartridge is recommended if exposure exceeds established exposure limits or level of overexposure.

SKIN PROTECTION:

Wear protective gloves such as Neoprene.

EYE PROTECTION:

Chemical splash goggles in compliance with OSHA regulations and full face-shield are advised.

OTHER PROTECTION:

Impervious clothing and boots are recommended.

ENGINEERING CONTROLS:

Provide sufficient ventilation to maintain exposure below established exposure limits.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Hazy, brown liquid @ 68° F (20° C)
SPECIFIC GRAVITY:	1.07
VAPOR PRESSURE (mm Hg):	0.8 (2-butoxyethanol)
VAPOR DENSITY (Air = 1):	8.92
INITIAL BOILING POINT:	340° F (171° C) (2-butoxyethanol)
MELTING POINT:	Unavailable
EVAPORATION RATE: (Ethyl Ether = 1)	<1
SOLUBILITY in WATER:	Soluble
VOLATILE %:	Unavailable
pH:	6.5-8.5 as is

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SECTION 10 - STABILITY AND REACTIVITY

STABILITY (conditions to avoid):
Stable under normal conditions.

INCOMPATIBILITIES (materials to avoid):
Avoid contact with strong oxidizing agents.

DECOMPOSITION:
Thermal decomposition may release carbon dioxide and carbon monoxide

HAZARDOUS POLYMERIZATION:
Not known to occur

SECTION 11 - TOXICOLOGICAL INFORMATION

No data available for product

SECTION 12 - ECOLOGICAL INFORMATION

No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Incineration is the recommended disposal method for all chemical wastes. This material may be deposited in a landfill in accordance with all applicable local, state and federal regulations.

This product, if disposed of, is not considered a hazardous waste under current RCRA definitions.

SECTION 14 - TRANSPORT INFORMATION

Not regulated under current DOT, IMO, or ICAO regulations.

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SECTION 15 - REGULATORY INFORMATION

TSCA INFORMATION:

All components in this product are in compliance with TSCA Inventory requirements.

CERCLA INFORMATION:

This product is not considered a hazardous substance under current CERCLA regulations.

SARA 313 INFORMATION:

SARA requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372. This information must be included in all MSDS that are copied and distributed for this material.

Components present in this product at a level that could require reporting under the statute are: Glycol ethers (CAS# 111-76-2) – 13%

SECTION 16 - OTHER INFORMATION

HAZARD RATING:

HEALTH	2	0 - LEAST
FIRE	1	1 - SLIGHT
REACTIVITY	0	2 - MODERATE
OTHER	-	3 - HIGH
		4 - EXTREME

HAZARD RATING METHOD: NFPA

REASON FOR REVISION:

Changed format, reviewed and updated

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*****