



AQUA-CLEAR, INC.

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: Defoamer #1

Preparation Date: March 4, 2010

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS REVISION #: 002

PRODUCT NAME: Defoamer #1

SYNONYMS: None

MANUFACTURED BY: 608 Virginia Street, East
Charleston, West Virginia 25301
Telephone (304) 343-4792
Fax (304) 345-3535

SECTION 2 - HAZARDS IDENTIFICATION

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

Caution! Product is a light-tan to off-white, opaque liquid with a mild petroleum odor. It may cause irritation to the skin, eyes and mucous membranes.

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

POTENTIAL HEALTH EFFECTS

LIKELY ROUTES OF EXPOSURE:

Eye and skin contact

EYES:

Can cause 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.

INGESTION (swallowing):

May cause irritation to mucous membranes, nausea, dizziness and vomiting.

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SECTION 2 - HAZARDS IDENTIFICATION (continued)

INHALATION (breathing):

Excessive inhalation of vapors may cause irritation to the respiratory tract.

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>
Hydro-cracked, hydroisomerized paraffinic fluid	---	72623-86-0
Hydrophobic silica	---	67762-90-7

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):

Drink two glasses of water. Do **not** induce vomiting; vomiting may cause material to be aspirated into the lungs, which may result in chemical pneumonitis. Never give anything by mouth to an unconscious person. Get 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

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, 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.

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Hydro-cracked,
hydroisomerized
paraffinic fluid
(CAS# 72623-86-0)

OSHA PEL - 5 mg/M³ (oil mist)
ACGIH TLV – 5 mg/M³ (oil mist)
ACGIH STEL– 10 mg/M³ (oil mist)

Hydrophobic silica
(CAS# 67762-90-7)

OSHA PEL - 5 mg/M³ (respirable dust)
OSHA PEL - 15 mg/M³ (total dust)
ACGIH TLV – 3 mg/M³ (respirable particles)
ACGIH STEL– 10 mg/M³ (inhalable particles)

ENGINEERING CONTROLS:

Provide sufficient ventilation to maintain exposure below established exposure limits.

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 established exposure limits.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light tan or off-white, opaque liquid @ 68° F (20° C)

Odor: Mild petroleum

Specific Gravity: 0.79-0.93 @ 77° F (25° C)

Evaporation Rate: <0.01
(Butyl acetate = 1)

Solubility in Water: Dispersible

Vapor Pressure: <0.01 mmHg @ 277° F
(136° C)

Vapor Density: >5

Initial Boiling Point: Unavailable

Volatile %: 1% max

pH: 6-9

Flash Point: 303° F (150° C) COC

Upper Explosion Limit: Unavailable

Lower Explosion Limit: Unavailable

Autoignition Temperature: Unavailable

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SECTION 10 - STABILITY AND REACTIVITY

STABILITY (conditions to avoid):

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

INCOMPATIBILITIES (materials to avoid):

Avoid contact with strong oxidizing agents.

DECOMPOSITION:

Carbon dioxide, carbon monoxide

HAZARDOUS POLYMERIZATION:

Not known to occur

SECTION 11 - TOXICOLOGICAL INFORMATION

No data available for product

SECTION 12 - ECOLOGICAL INFORMATION

No data available for product

SECTION 13 - DISPOSAL CONSIDERATIONS

Incineration is the recommended disposal method for all chemical wastes such as this product. Material collected on absorbent 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 regulations.

SECTION 14 - TRANSPORT INFORMATION

Not regulated under current DOT, IMO or ICAO regulations

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SECTION 15 - REGULATORY INFORMATION

CHEMICAL INVENTORY STATUS:

All components in this product are in compliance with U.S. TSCA Inventory requirements. All components are also listed on Australia, Canada, Europe, Japan and Korea inventories.

CERCLA:

None of the components in this product have an established reportable quantity (RQ).

CALIFORNIA PROPOSITION 65:

This product does not contain any materials that would require reporting under California Proposition 65.

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, which could require reporting under the statute, are: None

SECTION 16 - OTHER INFORMATION

HAZARD RATING:

HEALTH	1	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****