

MATERIAL SAFETY DATA SHEET

Aqua Kinetics, Inc.
P. O. Box 249
Irwin, PA 15642
Phone: 724-864-9214
Fax: 412-896-2840
Trade Name: AF-210 ANTIFOAM
Revision Date: February 10, 2011

I. COMPOSITION/INFORMATION ON INGREDIENTS

Product Identification: Silicone antifoam emulsion.

II. HAZARDOUS IDENTIFICATION

Potential Health Hazards:

Skin and Eye Acute : Exposure causes eye irritation. Symptoms include stinging, tearing, redness and swelling.

Skin and Eye Chronic: Not determined.

Skin Absorption Acute: May cause skin irritation.

Skin Absorption Chronic: Prolonged or repeated exposure may dry the skin. Symptoms include redness, burning, drying and skin burns.

Inhalation Acute: Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death.

Inhalation Chronic: Overexposure can lead to CNS depression, headache, mucous membrane irritation, loss of consciousness and possible reproductive damage.

Ingestion Acute: Inhaling liquid while vomiting can insure lungs seriously. Swallowing large amounts may injure seriously. Contact a physician.

Ingestion Chronic: Not determined.

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III. FIRST AID MEASURES

Skin: Flush affected areas with large amounts of water, then wash thoroughly with soap and water. If irritation develops, contact a physician.

Eyes: Flush eyes with copious amounts of water for at least 15 minutes with eyelids open. Contact a physician.

Inhalation: Remove to fresh air. Get medical attention if ill effects persist.

Ingestion: Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Contact a physician immediately.

Medical Conditions Generally Aggravated by Exposure: Not determined.

IV. FIRE FIGHTING MEASURES

Flammable Properties:

Flash Point- Will not flash.

Flash Point Method- Not applicable.

Upper Flammable Limits (Volume % in air) - Not applicable.

Lower Flammable Limits (Volume % in air) - Not applicable.

Suitable extinguishing media: Water, foam, carbon dioxide (CO₂).

Special fire-fighting precautions: Not determined.

Unusual Fire and Explosion Hazards: Do not use welding or cutting torch on or near container, even when empty. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights or other ignition sources distant from material handling point.

V. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Always wear recommended personal protective equipment.

In Case of Spill or Other Release: Eliminate all ignition sources. Wear appropriate respirator and protective clothing. Wipe up and collect for proper disposal method.

Spills and releases may have to be reported to federal and/or local authorities. See the regulatory information section (Section XV) regarding reporting requirements and information.

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VI. HANDLING AND STORAGE

Handling: Mix gently until uniform.

Storage: Do not freeze. Do not store 80 degrees F.

VII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Local exhaust and mechanical ventilation required.

Personal protection equipment:

Respiratory protection – Use respirator that is NIOSH approved for organic vapors if exposure exceeds occupational exposure limits.

Hand/skin protection - Chemical resistant gloves required.

Eye protection - Face shield and goggles must be worn.

Work/Hygiene measures- Provide readily accessible eye wash stations. Safety shower. Wash at the end of each workshift and before eating, smoking, or using the bathroom. Promptly remove clothing that becomes contaminated. Use appropriate hand and skin lotions to protect the skin.

VIII. HMIS RATING:

HMIS: Health (1) Flammability (1) Reactivity (0) Personal Protection (D)

IX. PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance:	White liquid.
Odor:	Mild odor.
Specific Gravity:	0.99
Solubility:	Dispersible in water.
Boiling point:	212 degrees F.
Flash point:	Will not flash.
Vapor density (mm Hg):	
Evaporation Rate:	Not applicable.

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X. STABILITY AND REACTIVITY

Stability: Stable when stored under recommended conditions (See Section VI).

Conditions to Avoid: Not determined.

Materials to Avoid: Materials that react with water.

Hazardous Decomposition Products: Carbon oxides and silicon dioxide.

Hazardous Polymerization: Will not occur.

XI. TOXICOLOGICAL INFORMATION

Aquatic Toxicity –

Daphnia Magna 48 hour static screen -

10 percent mortality = 5000 mg/l 0 percent mortality = 1,000 mg/l

Fathead Minnow 96 hour screen bioassay with 48-hour renewal –

0 percent mortality = 5000 mg/l

Rainbow Trout 48 hour static screen

100 percent mortality = 5000 mg/l 0 percent mortality – 1000 mg/l

XII. ECOLOGICAL INFORMATION

Biodegradation –

BOD - 28 (mg/g) = 0

BOD- 5 (mg/g) = 0

COD- (mg/g) = 219

TOC - (mg/g) = 41

XIII. DISPOSAL CONSIDERATION

Waste from residues/ unused products: Incinerate or landfill in accordance with appropriate local, state and federal regulations.

XIV. TRANSPORT INFORMATION

DOT/UPS

Proper Ship Name- Not applicable.

Hazardous Class- Not applicable.

DOT ID Number - Not applicable.

Packing Group- Not applicable.

Label Required - DO NOT FREEZE.

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IATA

Proper Ship Name- Not applicable.
DOT Hazard Class- Not applicable.
DOT ID Number- Not applicable.
Packing Group - Not applicable.
Label Required - DO NOT FREEZE.

XV. REGULATORY INFORMATION

All components of this product are on the TSCA inventories.

California Proposition 65: This product contains no levels of listed substances under which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

Delaware Air Quality Management List: None listed.

Massachusetts Hazardous Substances: None listed.

Michigan Critical Materials: None listed.

Minnesota Hazardous Substances: None listed.

New Jersey RTK Hazardous Substances: None listed.

New Jersey TCPS EHS List: None listed.

New York List of Hazardous Substances: None listed.

Pennsylvania Hazardous Substances: None listed.

Washington Permissible Exposure Limits for Air Contaminants: None listed.

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. Aqua Kinetics, Inc. provides no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. The above information complies with the OSHA's Hazard Communication Standard 29CFR1910.1200. The standard must be consulted for specific requirements.