

Prepared according to 29 CFR 1910.1200

Date prepared: **OCTOBER 2006**  
Date revised: **NOVEMBER 29, 2010**Page 1 of 2  
MSDS No. 8.2.1.**Section I**IDENTITY: *As Used on Label and List:* **AQUAFIN-CS/250**  
*Chemical Characterization:* **Aqueous Acrylic Solution**AQUAFIN, INC.  
505 BLUE BALL RD., #160  
ELKTON, MD 21921Emergency Phone: **(800) 394-1410**  
Information Phone No. **(410) 392-2300****Section II - Hazardous Ingredients/Identity Information**

Hazardous Components:	CAS NUMBER	OSHA PEL	ACGIH TLV	Weight %
2-Butoxyethanol	111-76-2	50 ppm	20 ppm	< 5

**Section 03 - Hazards Identification**

(Hazard Rating: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 – Serious; 4 = severe; \* = Chronic)

HMIS® - Rating	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

WHMIS Class: D2B.

Primary Routes of Entry: Skin contact.

**Effects of overexposure:**

**Inhalation:** Can cause irritation of respiratory mucous membranes, causing headache & nausea in areas with poor ventilation. Breathing large amounts may be harmful.

**Ingestion:** Effects of swallowing small amounts is not known.

**Skin Contact:** Can cause irritation.

**Eye Contact:** Can cause slight transient (temporary) irritation. Corneal injury is unlikely.

**Chronic Exposure:** No known information available.

**Section 04 – First Aid Measures**

**Inhalation:** Supply fresh air, if affected by inhalation of vapor or spray mist. Consult a physician at once in case of symptoms.

**Ingestion:** Drink copious amounts of water (2 – 4 glasses) and provide fresh air. Consult a physician immediately. Do not induce vomiting without medical advice. If a person vomits give fluids again. Place him/her in the recovery position. Never give anything by mouth to an unconscious person.

**Skin Contact:** Rinse skin with warm water. Seek medical attention if irritation persists. Wash contaminated clothing before reuse.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally and consult a physician.

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**Section 05 – Fire Fighting Measures**

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<b>NFPA Rating:</b>	Flammability: 1	Health: 1	Reactivity: 0
<b>Flash Point:</b>	>110°C (>230°F) closed cup.		
<b>Auto ignition Temperature:</b>	Not combustible.		
<b>Hazardous combustion Products:</b>	N/A		
<b>Lower explosion Limit:</b>	N/A		
<b>Upper explosion Limit:</b>	N/A		
<b>Extinguishing Media:</b>	Water, foam, CO <sub>2</sub> , extinguishing powder or water mist – Product does not burn unless water content evaporates.		
<b>Special Fire Fighting Procedures:</b>	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.		
<b>Unusual Fire and Explosion Hazards:</b>	Containers can build up pressure if exposed to extreme heat (fire) and explode. Cool closed containers exposed to fire with water spray.		

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**Section 06 - Accidental Release Measures**

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<b>Measures for Cleaning/Collecting:</b>	Wear appropriate protective equipment (see section 8). Contain and collect spillage with absorbent materials, i.e. sand, earth, vermiculite, diatomaceous earth, acid and universal binders, sawdust, and place in container for disposal. Rinse residual stain with water. Emergency procedures are not required. Avoid discharge into drains, sewers or waterways.
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**Section 07 – Handling and Storage**

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<b>Handling:</b>	Avoid contact with skin, eyes and clothing. Keep out of reach of children. Keep away from heat and direct sunlight. Do not store open containers. No special measures required.
<b>Storage:</b>	No special storage precautions needed. Store in original container, away from foodstuffs. Store containers tightly closed in a cool (frost free), well ventilated place.

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**Section 08 – Exposure Controls / Personal Protection**

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<b>General Information:</b>	Eye-wash bottle must be available. The product does not contain any relevant quantities of materials that have to be monitored at the workplace.
<b>Engineering Controls:</b>	Provide good (mechanical) room ventilation to control any air contaminants.
<b>Respiratory Protection:</b>	Not generally required if room is well ventilated. In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use NIOSH approved respirators.
<b>Skin Protection:</b>	When installing, wear appropriate protective gloves (butyl, rubber) to prevent hand-skin exposure. Wear appropriate impervious clothing to prevent skin exposure (long sleeve shirt and long pants).
<b>Eye Protection:</b>	Wear tightly sealed safety glasses with side shields or goggles. Face shield as

necessary.

**Work/Hygienic Practices:** Handle using good industrial hygiene and safety practices. Keep work area clean. Wash hands before breaks and after work, and before eating, drinking or smoking.

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## Section 09 – Physical and Chemical Properties

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**Physical State:** Liquid  
**Color:** Milky  
**Odor:** Sweet - characteristic  
**Solubility in water:** Fully miscible  
**pH-value at 20°C:** 8 (at 68° F; 20° C)  
**Boiling Point:** 212°F (100°C) Water  
**Freezing Point:** 32°F (0°C)  
**Specific Gravity (Density):** 1.02 g/cm<sup>3</sup>  
**Viscosity, dynamic at 20°C:** 100 CPS  
**Vapor Pressure (mm Hg.):** 23 hPa. at 68° F (20° C)  
**Melting Point:** Not determined  
**Vapor Density (AIR = 1):** N.A.  
**Evaporation Rate (Butyl Acetate = 1):** N.A.  
**VOC Concentration as applied:** 57 g/L

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## Section 10 – Stability and Reactivity

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**Chemical Stability:** Stable under normal temperatures and pressures.

**Hazardous Polymerization:** Will not occur under normal conditions.

**Incompatibilities:** None known.

**Thermal Decomposition:** No decomposition if used as prescribed. Heating to decomposition, as in a fire or welding, may produce hazardous fumes. Fumes may contain carbon monoxide, carbon dioxide and oxides of nitrogen.

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## Section 11 – Toxicological Information

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### Product Information:

**Acute Oral Toxicity:** CAS #111-76-2  
**LD50:** Moderate toxicity: >500 – 2000 mg/kg, guinea pig.  
**LD50:** Low toxicity: >2000 mg/kg, guinea pig.

### Primary irritant effect:

- **On the skin:** Prolonged or repeated skin contact can result in the development of rashes, and other allergy-like symptoms.
- **Sensitization:** This product is moderately irritating to contaminated tissue.

**Recommendations to Physicians:** Treat symptoms and eliminate over-exposure to this product.

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## Section 12 – Ecological Information

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**Ecological Information:** The product is a slight water pollutant. Large quantities may be toxic to fish. Do not empty into waterways or drains.

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## Section 13 – Disposal Considerations

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**Recommendations:** Use excess product in an alternate beneficial application.  
Expose liquid product to fresh air to allow water to evaporate. Remaining cured product becomes a harmless mass.

**Disposal:** Dispose of in a manner consistent with federal, state and local regulations.

**RCRA Hazardous Waste:** No. RCRA number: NONE.

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## Section 14 – Transport Information

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**DOT (Domestic Surface) Hazard Class or Division:** Not regulated (no dangerous goods)  
**IMO (Ocean) Hazard Class or Division:** Not regulated  
**ICAO (Air) Hazard Class or Division:** Not regulated.

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## Section 15 – Regulatory Information

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**TSCA Status:** There are no TSCA 12(b) Chemicals in this product.

**SARA 311/312 Hazard Categories:**

- Reactive Hazard: No
- Pressure Hazard: No
- Fire Hazard: No
- Immediate/Acute: No
- Delayed/Chronic: No

**SARA 313 Notification:** This product contains the following substances subject to the reporting requirements of SARA 313 of Title III of the Superfund Amendments and reauthorization Act of 1986 and 40 CFR Part 372:  
**2-Butoxyethanol, CAS 111-76-2, PCT BY WT: 3.75.**

**CERCLA:** No CERCLA chemicals exist in this product above reportable concentrations.

**CA Proposition 65:** The below list of compounds is known to the State of California to cause cancer, birth defects or other reproductive harm: None.

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## Section 16 – Other Information

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We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.