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Prepared according to 29 CFR 1910.1200

MSDS No 5.1.1.A1

Section 01 – Product Identification

IDENTITY: As Used on Label and List: **VAPORTIGHT COAT®-SG2** (MSDS 1 of 2)
Chemical Characterization: EPOXY RESIN (IRRITANT) **“COMPONENT-A”**

AQUAFIN, INC.
BLUE BALL RD NO. 160
ELKTON, MD 21921

24 hr Emergency Phone: Chem-Tel (800) 255-3924
Information Phone No: (410) 392-2300

Section 02 – Composition / Information on Hazardous Ingredients

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	WEIGHT %
Bisphenol A Epichlorhydrin	25068-38-6	Not Estab.	Not Estab.	10-25%
1,6-Hexandioldiglycidylether	16096-31-4	Not Estab.	Not Estab.	2.5-10%

Note to Section 02: contains epoxy compounds, considered hazardous under 29 CFR 1910.1200.

Section 03 – Hazards Identification

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

HMIS® - Rating	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	G

Hazard Designation



Xi Irritant



N Environmental hazard

Potential Health Effects of Overexposure

This product is a white, weak odor liquid epoxy resin, used as half of a two part system. This product is irritating to the eyes and skin. It may cause sensitization by skin contact. Excessive inhalation causes headache, dizziness, nausea.

Routes of Entry:

- Inhalation:** Harmful by inhalation. Irritating to the respiratory system.
- Ingestion:** May cause nausea, vomiting and diarrhea. Do not induce vomiting. Consult a physician.
- Skin Contact:** Irritating on the skin. May cause an allergic skin reaction in some individuals.
- Eye Contact:** Can cause eye irritation and moderate eye injury.
- Chronic Exposure:** Repeated overexposure can cause severe skin irritation, dermatitis and sensitization. Sensitized persons may experience rapid irritation of skin upon exposure.

Section 04 – First Aid Measures

- After Inhalation:** Remove subject to fresh air. Administer oxygen if difficulty with breathing. Consult a physician.
- After Ingestion:** Immediately seek medical attention. Do not induce vomiting. Drink plenty of water to dilute stomach contents.

After Skin Contact: Instantly wash skin with plenty of soap and water for at least 15 minutes. Wash clothing before reuse.

After Eye Contact: Rinse opened eye with plenty of running water for at least 15 minutes, lifting upper and lower eyelids occasionally. Remove contact lenses. Consult physician.

Section 05 – Fire Fighting Measures

Flash Point: >100° C (>212° F)

Extinguishing Media: Carbon dioxide (CO₂), extinguishing powder, water fog.
Do not use full water jet.

Special Fire Fighting Procedures: As in any fire, wear full protective gear and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards: Bursting and explosion of container possible due to increase of pressure when exposed to increasing heat. In case of fire, cool nearby containers with water fog.

Section 06 – Accidental Release Measures

Person-related Safety Precautions: Provide plenty of fresh air. Avoid eye and skin contact. Avoid inhalation of vapors. Wear personal protective equipment. Remove or eliminate all ignition sources. Emergency procedures are not required.

Methods for Cleaning up: Contain and collect spillage with non-combustible, absorbent materials. I.e. sand, earth, vermiculate, diatomaceous earth, universal binders, sawdust and place in container for disposal.

Waste Disposal Method: Dispose in accordance with local, state and federal regulations.

Ecological Information: Do not allow product to reach ground water, bodies of water, or storm water or sewage systems.

Section 07 – Handling and Storage

Handling: Avoid eye and skin contact. Keep out of reach of children.

Storage: Store in a cool, dry enclosed area off the ground in tightly closed containers. No special measures required against explosion and fires. Store away from foodstuffs. Provide fresh air when handling in closed rooms (open windows and doors).

Section 08 – Exposure Controls / Personal Protection

Engineering Controls: Use with adequate general and local exhaust ventilation. Washing of the skin in the working area must be possible. Eye-wash station or bottle must be available.

CAS NUMBER

Solvent Naphta, light (<1%)

647-95-6

200 mg/m³ short term

Respiratory Protection: Respirator in well ventilated areas not necessary. Wear a properly fitted NIOSH approved respirator in poorly ventilated areas.

Skin Protection: When installing, wear appropriate protective rubber or plastic gloves to prevent hand-skin exposure. Wear appropriate impervious clothing to prevent skin exposure (long sleeve shirt and long pants).

Eye Protection: Wear tightly sealed safety glasses with side shields or goggles. Face shield as necessary.

Work/Hygienic Practices: Wash hands before breaks and after work, and before eating, drinking or smoking.

Section 09 – Physical and Chemical Properties

Physical State: Liquid
Appearance/Color: White
Odor: Weak, characteristic
Solubility in water: Not or slightly miscible
Boiling Point: N/A
Melting Point: N/A
Bulk Density: 2.14 kg/dm³ at 20°C (68°F)
Viscosity: (dynamic) 1800 cps (mPas) at 20°C (68°F)
VOC Concentration: 0 g/l

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Keep away from heat, ignition sources and incompatible materials.

Hazardous Decomposition: Dangerous emissions of various decomposition products can be formed when exposed to heat.

Incompatibilities: Avoid contact with acids and oxidizers.

Section 11 – Toxicological Information

Acute Toxicity:

13462-86-7 Barytmehl N
 Oral LD50 >15000 mg/kg (rat)

25068-38-6 Bisphenol-A Epichlorhydrin resin with average molecular weight = 700
 Oral LD50 >5000 mg/kg (rat)
 Dermal LD50 >2000 mg/kg (rat)

16096-31-4 1,6-Hexandioldiglycidylether
 Oral LD50 8,500 mg/kg (rat)
 Dermal LD50 <4.900 mg/kg mg/kg (rabbit)

64742-95-6 Solvent Naphta Light
 Oral LD50 >2000 mg/kg (rat)
 Dermal LD50 >2000 mg/kg (rabbit)
 Inhalation LC50/4 h >5 mg/l (rat)

Primary Irritation:

- **Skin:** irritates skin and mucous membrane.
- **Eyes:** irritating
- **Sensibility:** sensibility through contact with skin possible.

Section 12 – Ecological Information

Elimination (Persistence and Diminishing):

25068-38-6 Bisphenol-A Epichlorhydrin resin with average molecular weight = 700
 301B (Mod. Sturm) 12% (-)

Ecological reactions:

16096-31-4 1,6-Hexandioldiglycidylether
EC50 24 h / 47 mg/l (Daphnia toxicity) (acute))

64742-95-6 Solvent Naphta light
EC50 1-10 mg/l (reaction in sewage treatment plants)

Aquatic Toxicity:

25068-38-6 Bisphenol-A Epichlorhydrin resin with average molecular weight = 700
EC50 (24 h) 3.6 mg/l (Daphnia magna)
LC50 (96 h) 1.5 mg/l (Rainbow trout)

16096-31-4 1,6-Hexandioldiglycidylether
LC50 96 h/ 30 mg/l (Fish toxicity)
96 h/ 17.1 – 30.9 mg/l (Zebra fish)

64742-95-6 Solvent Naphta Light
LC/EC/IC 50 1-10 mg/l (Algae toxicity)
1-10 mg/l (Daphnia toxicity) (acute))

Remark:Poisonous for fish. Do not allow product to reach into waterways or drains.

Section 13 – Disposal Considerations

Waste Disposal Method: Dispose of in a manner consistent with federal, state and local regulations. This includes pails containing uncured material. Pails with cured/hardened remains of product can be sent for recycling.

Recommendation: Product mixed with hardener and fully cured is ecologically save and can be disposed to local refuse deposit.

Section 14 – Transport Information

DOT (Domestic Surface & Air): Not regulated per 49CFR 171.4(c)

IMO (Ocean): (Marine pollutant) UN 3082 Environmentally hazardous substances, liquid, NOS, (bisphenol A-epichlorhydrin) 9, PG III



IATA (Air): UN 3082 Environmentally hazardous substances, liquid, NOS, (bisphenol A-epichlorhydrin) 9, PG III

Section 15 – Regulatory Information

All raw materials are on the U.S., EPA, TSCA Inventory.

SARA Notification: Nothing in this product is subject to regulation under SARA 302, 313. It may be subject to SARA 312 reporting, depending upon the purchaser’s storage circumstances.

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

Section 16 – Other Information

This MSDS is on a three year review cycle. If the date on this sheet is older than three years please contact Aquafin, Inc. for an updated MSDS.

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