

Date prepared: JANUARY 2006

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SDS No 5.1.1.B1

**Section 1 – Product Identification**

IDENTITY: *Product Name:* **VAPORTIGHT COAT®-SG2** (SDS 2 of 2)  
*Chemical Characterization:* EPOXY HARDENER (CORROSIVE) "COMPONENT-B"

AQUAFIN, INC.  
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ELKTON, MD 21921

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**Section 2 – Hazards Identification****GHS Classification:**

Flammable liquids, Category 4  
Aspiration hazard, Category 1  
Skin corrosion/irritation, Category 1B  
Sensitization, Skin, Category 1  
Eye damage, Category 1  
Harmful to aquatic life, Category 3

H227: Combustible liquid.  
H304: May be fatal if swallowed and enters airways  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H412: Harmful to aquatic life with long lasting effects.

**GHS Label element:****Hazard Pictograms**

GHS05



GHS07



GHS08



GHS09

Signal Word: Danger

**Hazard Statements:**

H304: May be fatal if swallowed and enters airways  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H412: Harmful to aquatic life with long lasting effects.  
H227: Combustible liquid.

**Precautionary Statements:****Prevention:**

P102: Keep out of reach of children.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P281: Use protective equipment as required.

**Response:**

P301 + P315: IF SWALLOWED: Get immediate medical advice/attention.  
P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302 + P352 = P361: IF ON SKIN: Remove/Take off immediately all contaminated clothing. Wash with plenty of water.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF IN EYES: If exposed or concerned, get medical advice/attention.

P332 + P313: IF skin irritation occurs, get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

**Storage:**

P403 + P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

**Disposal:**

P501: Dispose of contents/container to an approved waste disposal site.

P502: Refer to manufacturer/supplier for information on recovery/recycling.

**Section 3 – Composition / Information on Hazardous Ingredients**

**Description:** Modified cycloaliphatic polyamine.

HAZARDOUS COMPONENTS	CAS NUMBER	WEIGHT
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	50-100%
Naphtha (petroleum), hydrotreated heavy	64742-48-9	25-50%
2,4,6-tris-(dimethylaminomethyl)phenol	90-72-2	2.5-10%
Bis(dimethylaminomethyl)phenol	71074-89-0	<2.5%

**Note:** There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

**Section 4 – First Aid Measures**

**General Advice:** Immediately remove contaminated clothing. Exposure symptoms can appear after several hours. If contaminated, consult medical advise up to 48 hours after exposure.  
**First Aid:** Wear protective equipment (i.e. protective gloves).  
If victim is unconscious: position and transport in “stable sideways position” to prevent asphyxiation if vomiting. Keep air passages open, remove dentures and vomit. Control breathing and pulse. If breathing and heart activity stops, administer CPR and call immediately emergency services.

**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:** Do not use thinners or other solvents. Instantly wash skin with plenty of soap and cold water for at least 15 minutes. Remove affected clothes instantly. 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 5 – Fire Fighting Measures**

**Autoignition:** Product is not self-igniting and not explosive.

**Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>), extinguishing powder, foam, water spray.  
 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. Formation of poisonous gases during heating or in fires possible.

## Section 6 – 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.

**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, storm water or sewage systems.

## Section 7 – 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 8 – 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.

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

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

**Eye Protection:** Wear chemical splash goggles. Face shield as necessary.

**Work/Hygienic Practices:** Wash hands before breaks and after work, and before eating, drinking or smoking. Know the locations of eye wash fountains and emergency showers.

## Section 9 – Physical and Chemical Properties

**Physical State:** Liquid  
**Appearance/Color:** Yellowish  
**Odor:** Amine like

<b>Solubility in water:</b>	Not or slightly miscible
<b>Flash Point:</b>	77° C (170° F).
<b>Flammability:</b>	Product is not self-igniting
<b>Danger of explosion:</b>	Product is not explosive
<b>Boiling Point:</b>	Not determined
<b>Melting Point:</b>	Not determined
<b>Boiling Point:</b>	N/A
<b>Melting Point:</b>	N/A
<b>Bulk Density:</b>	0.88 g/cm <sup>3</sup> at 20°C (68°F)
<b>Viscosity: (dynamic)</b>	Not determined
<b>pH:</b>	14 at 20°C (68°F)
<b>Viscosity: (dynamic)</b>	24 cps (mPas) at 20°C (68°F)
<b>VOC content:</b>	< 50 g/l (A+B Combined)

**Section 10 – Stability and Reactivity**

<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	Keep away from heat, sparks and ignition sources.
<b>Hazardous Decomposition:</b>	Carbon monoxide, carbon dioxide, hydrocarbon fragments. Possibility of flammable mixtures in the air, if product heats above flash point and/or spraying or fogging.
<b>Incompatibilities:</b>	Strong oxidizing agents.

**Section 11 – Toxicological Information**

**Acute Toxicity:**

<u>2855-13-2</u>	<u>3-aminomethyl-3,5,5-trimethylcyclohexylamine</u>	
Oral	LD50	1030 mg/kg (rat)
Dermal	LD50	1840 mg/kg (rabbit)
<u>64742-48-9</u>	<u>Naphtha (petroleum), hydrotreated heavy</u>	
Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalation	LC50	>5 mg/l (rat)

**Primary Irritation:**

- **Skin:** corrosive on skin and mucous membrane.
- **Eyes:** strong corrosive reaction.
- **Sensibility:** sensibility through contact with skin possible.

**Additional Information:** if ingested, highly corrosive to mouth and throat, as well as danger or perforation to esophagus and stomach.

**Section 12 – Ecological Information**

**Aquatic Toxicity:**

<u>2855-13-2</u>	<u>3-aminomethyl-3,5,5-trimethylcyclohexylamine</u>		
EC10	18 h/	1120 mg/l	(Pseudomas putida)
EC50		>50 mg/l	(Algae toxicity)
EC50	48 h/	23 mg/l	(Daphnia magna)
LC50	96 h/	110 mg/l	(Brachydanio rerio)

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.  
**Remark:** Toxic for fish. Do not allow product or large quantities to reach into waterways or drains.

**General notes:** Water hazard class 2 (Self-assessment): hazardous for water.  
Do not allow product to reach ground water, bodies of water, or storm water or sewage systems.

### 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 resin and fully cured is ecologically save and can be disposed to local refuse deposit or recycling facility.

### Section 14 – Transport Information

**USDOT (Domestic Surface):** UN 2735 Amines, liquid, corrosive, NOS, (Isophoronediamine) 8, PG III

**IATA/ICAO (Air):** UN 2735 Amines, liquid, corrosive, NOS, (Isophoronediamine) 8, PG III.

**IMDG (Ocean):** UN 2735 Amines, liquid, corrosive, NOS, (Isophoronediamine), Marine pollutant, 8, 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.

#### Clean Air Act

**Ozone-Depletion Potential:** This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section (40 CFR 61).

### Section 16 – Other Information

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

#### HMIS III rating:

Health: 3\* Flammability: 0 Physical hazard: 1

#### Abbreviations and acronyms:

USDOT: United States Department of Transportation.  
IMDG: International Maritime Code for Dangerous Goods.  
IATA: International Air Transport Association.  
CAS: Chemical Abstracts Service (Division of the American Chemical Society).  
LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.

This SDS 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 SDS.

**SDS prepared by:** Aquafin product safety department.

**DISCLAIMER:**

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User is responsible for determining appropriate safety measures and for applying the legislation covering his own activities. We recommend that user makes tests to determine the suitability of a product for its particular purpose prior to use.

**END OF SDS**

(April 28, 2015)