

IDENTITY: **VAPORTIGHT COAT®-SG4 “COMPONENT-B”**

Date prepared: JANUARY 2016
Date revised: FEBRUARY 2019

SDS No 5.4.1.B1

Section 1 – Identification

IDENTITY: *Product Name:* **VAPORTIGHT COAT®-SG4** (SDS 2 of 2)
Chemical Characterization: EPOXY HARDENER (CORROSIVE) **“COMPONENT-B”**

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

24 hr Emergency Phone: Chem-Tel (800) 255-3924
Information Phone No: (410) 392-2300
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Recommended use of the chemical and restriction on use: Refer to the product technical data sheet.
For industrial and professional users.

Section 2 – Hazards Identification

GHS Classification:

Acute toxicity, Category 4 (oral) H302: Harmful if swallowed.
Skin corrosion/irritation, Category 1B H314: Causes severe skin burns and eye damage.
Skin sensitization, Category 1 H317: May cause an allergic skin reaction.
Serious eye damage, Category 1 H318: Causes serious eye damage.
Reproductive toxicity, Category 2 H361: Suspected of damaging fertility or the unborn child.

Hazard-determining components of labeling:

m-phenylenebis(methylamine)
4-tert-butylphenol
trimethylhexane-1,6-diamine
2,4,6-tris(dimethylaminomethyl)phenol

GHS Label element:

Hazard Pictograms



GHS05



GHS07



GHS08

Signal Word: Danger

Hazard Statements:

H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H361: Suspected of damaging fertility or the unborn child.

Precautionary Statements:

Prevention:

P102: Keep out of reach of children.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P264: Wash skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P272: Contaminated work clothing should not be allowed out of the workplace.
P281: Use protective equipment as required.

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Response:

P301 + P315: IF SWALLOWED: Get immediate medical advice/attention.
P330 + P331: 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 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: Store in a well-ventilated place.
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

Modified polyamidoamine.

COMPONENTS	CAS NUMBER	WEIGHT
4-Tert-Butylphenol Repr. 2, H361; Eye Dam. 1, H318; Skin Irrit. 2, H315	98-54-4	25-50%
m-phenylenebis(methylamine) Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317	1477-55-0	25-50%
trimethylhexane-1,6-diamine Acute Tox. 3, H301; Skin Corr. 1B, H314; Eye Dam. 1, H318; Skin Sens. 1, H317	25620-58-0	2.5-10%
N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine Acute Tox. 3, H311	10563-29-8	< 2.5%
2,4,6-tris(dimethylaminomethyl)phenol Skin Corr. 1B, H314	90-72-2	T.S.

Section 4 – First Aid Measures

General Advise: 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. Do not give household remedies (i.e. milk, alcohol, etc.).

After Skin Contact: Instantly wash skin with plenty of soap and water for at least 15 minutes. Remove affected clothing immediately and clean 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

- Extinguishing Media:** Carbon dioxide (CO₂), extinguishing powder, water spray. Fight larger fires with water spray.
- 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 spray. 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).
- Materials to avoid:** No data available.

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.

	CAS NUMBER	OSHA PEL	ACGIH TLV
m-phenylenebis(methylamine):	1477-55-0	0.1 mg/m ³	0.1 mg/m ³

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 (acid and alkaline resistant) 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
Solubility in water:	Not miscible or difficult to mix
Flash Point:	Not applicable
Flammability:	Product is not self-igniting
Danger of explosion:	Product is not explosive
Boiling Point:	Not determined
Melting Point:	Not determined
Bulk Density:	1.0 g/cm ³ (8.3 lbs./gal.) at 20°C (68°F)
Viscosity: (dynamic)	360 mPas (cps) 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 and ignition sources.
- Hazardous Decomposition:** No dangerous decomposition or emission products known if product handled as per specifications.
- Incompatibilities:** No dangerous reactions known.

Section 11 – Toxicological Information

Acute Toxicity:

<u>98-54-4</u>	<u>4-tert-Butylphenole</u>	
Oral	LD50	2951 mg/kg (rat)
Dermal	LD50	2288 mg/kg (rabbit)

<u>1477-55-0</u>	<u>m-phenylenebis(methylamine)</u>	
Oral	LD50	930 mg/kg (rat)
Dermal	LD50	>3100 mg/kg (rabbit)
Inhalative	LC50	11 mg/l (-)

Primary Irritation:

- **Skin:** Corrosive on skin and mucous membrane. Irritates skin and mucous membrane.
- **Eyes:** Strong caustic effect.
- **Sensibility:** Sensitization 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

- Environment:** Toxic to aquatic systems. Do not allow product to reach into natural waterways, drains, storm water or wastewater systems.
- General notes:** Water hazard class 2 (Self-assessment): hazardous for water.

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. Empty containers with solid product rests can be sent for recycling. Empty containers containing liquid product rests are hazardous waste.

Section 14 – Transport Information

- USDOT (Domestic Surface):** UN 2735 Amines, liquid, corrosive, NOS, (trimethylhexanediamines, (m-phenylenebis (methylamine)) 8, PG III
- IMDG (Ocean):** UN 2735 Amines, liquid, corrosive, NOS, (trimethylhexanediamines, (m-phenylenebis (methylamine)) 8, PG III
Marine pollutant: No.
- IATA/ICAO (Air):** UN 2735 Amines, liquid, corrosive, NOS, (trimethylhexanediamines, (m-phenylenebis (methylamine)) 8, PG III

Section 15 – Regulatory Information

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

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 Personal Protection: B

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.
EC50: Median effective concentration.
RQ: Reportable quantity.

SDS prepared by: Aquafin product safety department.

DISCLAIMER:

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END OF SDS

(February 28, 2019)