Date prepared: **AUGUST 2012**
Date revised: **JANUARY 2019**
SDS No. 5.1.4.C1

Section 1 – Product Identification

IDENTITY: *As Used on Label and List:* **VAPORTIGHT COAT®-SG2/3-ACCELERATOR**
(SDS 1 of 1)
Chemical Characterization: EPOXY ACCELERATOR (CORROSIVE) **"COMPONENT-C"**
(Curing Agent for AQUAFIN-SG2 and SG3)

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**
info@aquafin.net

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

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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.

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.

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 Ingredients

Substance: Mixture.

HAZARDOUS COMPONENTS	CAS NUMBER	WEIGHT
2,4,6-tris-(dimethylaminomethyl)phenol	90-72-2	60 - 100%
bis[(dimethylamino)methyl]phenol	71074-89-0	13 - 30

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 immediately. The exposed person may need to be kept under medical surveillance for 48 hours.

After Ingestion: Immediately seek medical attention. Do not induce vomiting. Drink plenty of water to dilute stomach contents. Stop if the exposed person feels sick as vomiting may be dangerous.

After Skin Contact: Instantly wash skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately. Chemical burns must be treated promptly by a physician.

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. Chemical burns must be treated promptly by a physician. Consult physician immediately.

Protection of First Aid Personnel: If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Notes to Physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The

exposed person may need to be kept under medical surveillance for 48 hours.

Section 5 – Fire Fighting Measures

Flash Point: Closed cup: 110 - 120° C (230 - 248 ° F). [DIN 51758; EN 22719 (Pensky-Martens Closed Cup)].

Flammability: In a fire or heated, a pressure increase will occur and the container may burst.

Hazardous Thermal Decomposition Products: Decomposition products may include the following materials: Carbon dioxide; carbon monoxide; nitrogen oxides.

Extinguishing Media:
Suitable Use an extinguishing agent suitable for the surrounding fire.
Not suitable None known.

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

Personal Precautions: Provide plenty of fresh air. Avoid eye and skin contact. Avoid inhalation of vapors. Wear appropriate personal protective equipment. Remove or eliminate all ignition sources. Do not touch or walk through spilled material.

Methods for Cleaning up: Stop leak if without risk. Move containers from spill area. Approach release from upwind. 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. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Section 7 – Handling and Storage

Handling: Avoid eye and skin contact. Keep out of reach of children. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Storage temperature: 2 - 40° C (35 - 104° F). Store in original container protected from direct sunlight in a dry, cool and well ventilated area in tightly closed containers. Store away from foodstuffs. Provide fresh air when handling in closed rooms (open windows and doors). Do not store in unlabeled containers. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls: Use only 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 (acid and alkaline resistant) to prevent skin exposure (long sleeve shirt and long pants).

Hand Protection: Chemical-resistant, impervious gloves complying with an approve standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Material of gloves for long term application (BTT>480 min):
- butyl rubber
- ethyl vinyl alcohol laminate (EVAL)
- gauntlet type.

Material of gloves for short term/splash application (10 min<BTT<480 min):
- nitrile rubber
- gauntlet type.

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 09 – Physical and Chemical Properties

Physical State: Liquid
Appearance/Color: Light yellow
Odor: Amine like
Solubility in water: Soluble
Boiling Point: N/A
Melting Point: N/A
Flash Point: Closed cup: 110 - 120° C (230 - 248 ° F). [DIN 51758; EN 22719 (Pensky-Martens Closed Cup)]
Vapor Pressure: Less than 1 Pa at 20°C (68°F)
Bulk Density: 0.97 kg/dm^3 at 20°C (68°F)
Evaporation Rate: N/A
pH: 11
Viscosity: (room temperature) 120 – 250 mPa*s (120 – 250 cPs)
VOC: 0% (0 g/L)

Section 10 – Stability and Reactivity

Chemical Stability: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to Avoid: Strong oxidizer. Keep away from heat and ignition sources.

Materials to avoid: Strong acids, strong bases, strong oxidizing agents.

Hazardous Decomposition: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Decomposition products may include the following materials: nitrogen oxides, carbon monoxide, other organic compounds.

Section 11 – Toxicological Information

Acute Toxicity:

2,4,6-tris((dimethylaminomethyl)phenol:

Oral	LD50	2169 mg/kg (rat-female)
Dermal	LD50	>971 mg/kg (rat-male)

Irritation/Corrosion:

2,4,6-tris((dimethylaminomethyl)phenol:

Dermal	Skin	Corrosive (rabbit)
	Eyes	Corrosive (rabbit)

Bis[(dimethylamino)methyl]phenol:

Dermal	Skin	Irritant (rabbit)
	Eyes	Irritant (rabbit)

Potential Acute Health Effects:

- **Inhalation:** May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.
- **Ingestion:** Harmful if swallowed. May cause burns to mouth, throat and stomach.
- **Skin:** Causes severe burns..
- **Eyes:** Causes serious eye damage.

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.

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 resin and fully cured is ecologically save and can be disposed to local refuse deposit.

Section 14 – Transport Information

DOT (Domestic Surface & Air): UN 2735 Polyamines, liquid, corrosive, N.O.S.
(2,4,6-Tris(Dimethylaminomethyl)Phenol) 8, PG II

IMO (Ocean): UN 2735 Polyamines, liquid, corrosive, N.O.S.
(2,4,6-Tris(Dimethylaminomethyl)Phenol) 8, PG II

IATA/ICAO (Air): UN 2735 Polyamines, liquid, corrosive, N.O.S.
(2,4,6-Tris(Dimethylaminomethyl)Phenol) 8, PG II

Section 15 – Regulatory Information

U.S. Federal Regulations

HCS Classification: Corrosive material.

U.S. Federal Regulations: **U.S. Inventory (TSCA 8b):** All components are listed or exempted.

SARA Notification: **SARA 302/304/311/312:** Immediate (acute) health hazard.
Delayed (chronic) health hazard.

SARA 311/312 SDS distribution – chemical inventory – hazard identification:
No ingredient listed.

Clean Air Act – Ozone Depleting Substances (ODS): This product does not contain nor is it manufactured with ozone depleting substances.

State Regulations: **Massachusetts, New Jersey & Pennsylvania RTK Hazardous Substances:**
No ingredients listed.
California Prop 65: None required.

Canada:
WHMIS (Canada): Class D-2B: Material causing other toxic effects (Toxic).

CEPA DSL: This material is listed or exempted.

Section 16 – Other Information

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

HMIS III rating:
Health: 3 Flammability: 1 Physical hazard: 0 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.

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SDS prepared by: Aquafin product safety department.

DISCLAIMER:

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. Aquafin shall not be responsible for the use of this product in a manner to infringe on any patent or any other intellectual property rights held by others.

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 (January 22, 2019)