Date prepared: **JANUARY 2006**
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SDS No 5.1.2.A1

Section 1 – Identification

IDENTITY: *Product Name:* **VAPORTIGHT COAT®-SG3** (SDS 1 of 2)
Chemical Characterization: EPOXY RESIN (IRRITANT) **"COMPONENT-A"**

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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:

Skin irritation, Category 2
Skin sensitization, Category 1
Eye irritation, Category 2A

H315: Causes skin irritation
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation

GHS Label element:

Hazard Pictograms

Signal Word: Warning

Hazard Statements:
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation

Precautionary Statements:
Prevention:
P102: Keep out of reach of children.
P264: Wash skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear eye protection/face protection.
P280: Wear protective gloves.
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.
P302 + P352: IF ON SKIN: 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 + P232: Store in a well-ventilated place. Protect from moisture.

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

Description: Solvent-free preparation based on bisphenol-A-epichlorhydrin resin molecular weight ≤700.

COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	WEIGHT %
Bisphenol-A-epichlorhydrin	25068-38-6	Not Estab.	Not Estab.	50-100%
1,6-bis(2,3-ethoxypropoxy)hexane	16096-31-4	Not Estab.	Not Estab.	10-25%
Diisopropylnaphthalene	38640-62-9	Not Estab.	Not Eastab.	10-25%
aliphatic trimethyol-propantriglydylether	30499-70-8	Not Estab.	Not Eastab.	10-25%
bisphenol-F-epoxy resin	9003-36-5	Not Estab.	Not Estab.	2.5-10%

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

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 5 – Fire Fighting Measures

Extinguishing Media: Carbon dioxide (CO_2), 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. Formation of poisonous gases during heating or in fires.

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. 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 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 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 9 – Physical and Chemical Properties

Physical State:	Liquid
Appearance/Color:	Clear
Odor:	Weak, characteristic
Solubility in water:	Not or slightly miscible
Boiling Point:	Not determined
Melting Point:	Not determined
Flash Point:	>100° C (>212 ° F)
Flammability:	Does not self-ignite
Explosion:	Does not explode
Bulk Density:	1.12 kg/dm^3 at 20°C (68°F)
Viscosity: (dynamic)	495 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:

25068-38-6	bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)	
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
16096-31-4	1,6-bis(2,3-ethoypropoxy)hexane	
Oral	LD50	1400 mg/kg (rabbit)
	LD50	2900 mg/kg (rat)
Inhalative	LC50/4 h	>100 mg/l (mouse)
9003-36-5	bisphenol F-epoxy resin	
Oral	LD50	>5000 mg/kg (rat)

Primary Irritation:

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

Section 12 – Ecological Information

Aquatic toxicity:

25068-38-6	bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)
EC50	(24 h) 3.6 mg/l (Daphnia magna)
LC50	(96 h) 1.5 mg/l (Rainbow trout)
9003-36-5	bisphenol F-epoxy resin
EC50	2 mg/l (Daphnia (acute) toxicity))
LC50	(96 h) 2 mg/l (Fish toxicity)

Persistence and degradability:

25068-38-6 bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)
301B (Mod. Sturm) 12% (-)

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 hardener 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 3082 Not regulated.

IATA/ICAO (Air): UN 3082 Environmentally hazardous substance, liquid, NOS (bisphenol A-(epichlorhydrin), epoxy resin (number average molecular weight<700), 1,6-Hexandioldiglycidylether. 9, PG III.

IMDG (Ocean): UN 3082 Environmentally hazardous substance, liquid, NOS (bisphenol A-(epichlorhydrin), epoxy resin (number average molecular weight<700), 1,6-Hexandioldiglycidylether. Marine pollutant. 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.

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: 2* Flammability: 1 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.
EC50:	Median effective concentration.
RQ:	Reportable quantity.

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)