

Printing date 08/29/2022

Reviewed on 08/29/2022

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**IDENTITY:** Product Name: EPOXY Healer-Sealer COMPONENT A

Product Use Description: Epoxy-Acrylic Resin Coating, For Further Information, Refer to the Product Technical Data Sheet

AQUAFIN, INC.  
505 BLUE BALL RD. #160  
ELKTON, MD 21921

[info@aquafin.net](mailto:info@aquafin.net)

24 hr Emergency Phone: Chem-Tel (800) 255-3924  
Information Phone No: (410) 392-2300  
[www.aquafin.net](http://www.aquafin.net)

## SECTION 2: HAZARDS IDENTIFICATION

GHS Hazard:



ROUTES OF ENTRY: EYE: YES SKIN: YES INGESTION: YES INHALATION: YES

SIGNAL WORD: DANGER!

PHYSICAL HAZARDS: Not Classified

HEALTH HAZARDS: (ACUTE AND CHRONIC)

EYES: Eye Irritant Cat. 2  
SKIN: Skin Irritant Cat. 2  
Skin Sensitization Cat. 1  
INGESTION: No Data  
INHALATION: Respiratory Irritant

ENVIRONMENTAL HAZARDS:

Acute Aquatic Cat.2  
Chronic Aquatic Cat.2

HAZARD STATEMENTS: H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H411 - Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS:

P262 - Do not get in eyes, on skin, or on clothing  
P264 - Wash...thoroughly after handling with soap and water  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P280 - Wear Protective gloves/protective clothing/eye protection/face protection  
P273 - Avoid release to the environment  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove Contact lenses, if present and easy to do. Continue rinsing.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362 - Take off contaminated clothing and wash before reuse.  
P501 - Dispose of contents/container to an approved waste disposal plant.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Persons with preexisting skin or respiratory disorders may have their conditions aggravated by over exposure to this material.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #:	CAL-OSHA PEL TWA (8hours)	ACGIH TLV TWA (8 hours)	Other Limits RECOMMENDED	% BY WEIGHT
2,3-epoxypropyl o-tolyl ether	2210-79-9	No data available	No data available	N/E	<20%

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	9003-36-5	No data available	No data available	N/E	<60%
Hexamethylene diacrylate	13048-33-4			1 mg/m3 (DSEN) OARS-WEEL	<18
Trimethylolpropane triacrylate	15625-89-5			1 mg/m3 (skin) OARS-WEEL	<9

#### SECTION 4: FIRST AID MEASURES

- EYES:** Immediately flush eyes with water for a minimum of 15 minutes while holding eyes open. Remove contact lenses if present and easy to do. If redness, burning, blurred vision, or swelling persists, consult a physician.
- SKIN:** Remove contaminated clothing and product. Immediately wash affected area with soap and water. Do not apply greases or ointments. If skin irritation persists, consult a physician.
- INGESTION:** Rinse mouth immediately. Give small amounts of water, only if person is conscious. Only induce vomiting at the instruction of medical personnel. consult a physician
- INHALATION:** Remove patient to fresh air. Give oxygen or artificial respiration if needed. If patient continues to experience difficulty breathing, consult a physician.

#### SECTION 5: FIRE-FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA:** Extinguish with foam, carbon dioxide, dry powder, or water fog.
- SPECIAL FIRE FIGHTING PROCEDURES:** Use standard fire-fighting procedures and consider the hazards of other involved materials. In case of a fire and / or explosion do not breathe fumes. Self-contained breathing apparatus and full protective clothing must be worn. Move containers from fire area if you can do so without risk. Cool containers with flooding quantities of water until well after fire is out. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Hazardous decomposition products may occur when material polymerizes at temperatures above 500 °F (260 °C). Irritating and toxic gases/fumes may be released during a fire. Do not allow run-off from fire-fighting to enter drains or water courses.
- FLASH POINT:** >250 °F / 121 °C
- METHOD USED:** PMCC

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

- PERSONAL PROTECTION:** Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment. Do not touch containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Local authorities should be advised if significant spillage cannot be contained.
- ACCIDENTAL RELEASE MEASURES:** In case of spill, clean up using absorbent material such as earth or sand. Small quantities can be wiped up with cloth, place cloth in leak proof container and dispose of properly.
- WASTE DISPOSAL:** Observe Federal, State and local regulations covering chemical waste spills.

#### SECTION 7: HANDLING AND STORAGE

- PERSONAL PROTECTION:** Use personal protective equipment to ensure product does not contact eyes or skin when handling materials.
- HANDLING AND STORAGE:** Store in cool, dry place out of direct sun rays. Keep from freezing. Recommend storage temperatures range: between 40° and 95 °F (4° - 35 °C)

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- PROTECTIVE MEASURE:** Wear appropriate personal protective equipment.
- EYE PROTECTION:** Wear appropriate safety glasses with side shields, goggles or full face shield. When working on an overhead application a full face shield is recommended.
- HAND PROTECTION:** Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl.
- SKIN AND BODY PROTECTION:** Wear long sleeve shirts/long pants and other clothing as required to minimize contact.
- RESPIRATORY PROTECTION:** Do not breathe gas/fumes/vapor/ or spray. The use of a respirator is not required during general use of this product provided adequate ventilation. If grinding or cutting cured product the use of an approved respirator is recommended.
- WORK HYGIENIC PRACTICES:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**ENGINEERING CONTROLS:** When using indoors, good ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Ready access to running water is required. Provide eyewash station.

**EXPOSURE LIMITS**

Component	OSHA (PEL)	ACGIH (TLV)	NIOSH (Pocket Guide)
2,3-epoxypropyl o-tolyl ether 2210-79-9	No data available	No data available	No data available
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol 9003-36-5	No data available	No data available	No data available
Hexamethylene diacrylate 13048-33-4	No data available	No data available	No data available
Trimethylolpropane triacrylate 15625-89-5	No data available	No data available	No data available

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Amber Color  
**ODOR:** ND  
**PHYSICAL STATE:** Liquid  
**pH AS SUPPLIED:** N/D  
**BOILING POINT:** >100 C  
**MELTING POINT:** N/D  
**FREEZING POINT:** N/D  
**VAPOR PRESSURE (mmHg):** N/D  
**VAPOR DENSITY (AIR = 1):** N/D  
**SPECIFIC GRAVITY (H2O = 1):** 1.1 @ 25°C  
**EVAPORATION RATE:** Negligible  
**SOLUBILITY IN WATER:** Negligible  
**PERCENT SOLIDS BY WEIGHT:** 0%  
**PERCENT VOLATILE:** N/D  
**VOLATILE ORGANIC COMPOUNDS (VOC):** ND  
**MOLECULAR WEIGHT:** ND  
**VISCOSITY:** ND

**SECTION 10: STABILITY AND REACTIVITY**

**STABILITY:** Stable  
**CONDITIONS TO AVOID (STABILITY):** Exposure to excessive heat and open flame  
**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong acids, peroxides and other oxidizing agents.  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Normal combustion forms carbon dioxide, peroxides, strong bases, reactive metals, carbon monoxide, oxides of carbon and other organic compounds,  
**HAZARDOUS POLYMERIZATION:** Will not occur

**SECTION 11: TOXICOLOGICAL INFORMATION**

Acute Oral Toxicity: No data available on the product itself  
 Oral-Components  
 Trimethylolpropane triacrylate LC50(6hr) >0.55mg/l Rat – M/F  
 Acute Dermal Toxicity: No data available on the product itself  
 Dermal-Components  
 Hexamethylene diacrylate LD50 Rabbit – 3650 mg/kg (OECD Test Guideline 402)  
 Trimethylolpropane triacrylate LD50 5170 mg/l Rabbit  
 Acute Inhalation Toxicity: No data available on the product itself  
 Inhalation-Components  
 Hexamethylene diacrylate LC0(7hr) 0.41 mg/l Rat – M/F  
 Skin Corrosion/ Irritation: Irritating to skin  
 Corrosion/Irritation Components  
 Trimethylolpropane triacrylate Rabbit – Irritating to skin 24hr  
 Hexamethylene diacrylate Irritating to skin  
 Sensitization: May cause sensitization by inhalation and skin contact.  
 Sensitization Components  
 Trimethylolpropane triacrylate May cause sensitization by inhalation and skin contact.

Hexamethylene diacrylate Germ Cell Mutagenicity	May cause sensitization by inhalation and skin contact. The product or a component may be mutagenic, the data is inconclusive.
Maternal Toxicity:	No data available on the product itself
<b>Carcinogenicity:</b>	This product contains no listed carcinogens according to IARC,ACGIH,NTP and/or OSHA in concentrations of 0.1 percent or greater.
<b>ACGIH:</b>	No data
<b>IARC:</b>	No data
<b>NTP</b>	No data
<b>OSHA</b>	No data

---

## SECTION 12: ECOLOGICAL INFORMATION

---

### ECOTOXICITY:

#### Aquatic toxicity:

##### Toxicity to Fish-Components

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol 9003-36-5 LC50(96hr) 0.5mg/l Species: Oncorhynchus mykiss

Hexamethylene diacrylate static test LC50 - Leuciscus idus (Golden orfe) - 4.6 - 10 mg/l - 96 h (DIN 38412)

##### Toxicity to algae-Components

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol 9003-36-5 EC50(72hr) 1.8mg/l Species: elenastrum capricornutum

Hexamethylene diacrylate static test EC50 - Desmodemus subspicatus (Scenedesmus subspicatus) - 1.5 mg/l - 72 h

### PERSISTENCE & DEGRADABILITY:

#### BIODEGRADABILITY:

##### Biodegradability-Components

Not readily biodegradable. 0% degradation after 28 days.

#### BIOACCUMULATIVE POTENTIAL:

##### BioAccumulative-Components:

High

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol: LogP<sub>ow</sub> : 3.

#### MOBILITY IN SOIL:

NDA

#### OTHER ADVERSE EFFECTS:

NDA

#### AQUATIC RELEASE:

Advise authorities if product has entered or may enter watercourses or sewer drains.

---

## SECTION 13: DISPOSAL CONSIDERATIONS

---

**WASTE DISPOSAL METHOD:** Do not allow this material to drain into sewers / waterways, ditches, containment pools or water supplies. Dispose of contents / containers in accordance with local/regional/international regulations.

**SECTION 14: TRANSPORT INFORMATION**

---

**U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:**  
**HAZARD CLASS:**  
**ID NUMBER:** Not Regulated for Transportation  
**PACKING GROUP:**  
**LABEL STATEMENT:**

**HAZARD CLASS:** NONE **ID NUMBER:** NONE **D.O.T SHIPPING LABEL:** NOT REGULATED BY D.O.T

**WATER TRANSPORTATION**

**PROPER SHIPPING NAME:** Environmentally hazardous substance, liquid n.o.s. (Epoxy Resin Mixture), Marine Pollutant  
**HAZARD CLASS:** 9  
**ID NUMBER:** UN3082  
**PACKING GROUP:** III  
**LABEL STATEMENT:**

**AIR TRANSPORTATION**

**PROPER SHIPPING NAME:** Environmentally hazardous substance, liquid n.o.s. (Epoxy Resin Mixture) , Marine Pollutant  
**HAZARD CLASS:** 9  
**ID NUMBER:** UN3082  
**PACKING GROUP:** III  
**LABEL STATEMENT:**

**SECTION 15: REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** None. Included on Inventory

**CERCLA (COMPREHENSIVE RESPONSE  
 COMPENSATION, AND LIABILITY ACT):**

**OSHA:** 29 CFR 1910.1200 (Hazard Communication required)

**WHMIS** Class D-2B: Toxic material causing other toxic effects (Toxic).

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**

**302/304** No Ingredients Listed.

**311/312 HAZARD CATEGORIES:**

Acute Health Hazard:	Yes
Chronic Health Hazard:	Yes
Fire Hazard:	No
Pressure Release Hazard:	No
Reactivity Hazard:	No

**313 REPORTABLE INGREDIENTS:** No ingredients listed.

**STATE REGULATIONS:**

**CALIFORNIA PROPOSITION 65 (THE SAFE DRINKING WATER AND TOXICS ENFORCEMENT ACT of 1986)**

This product does not contain known levels of any chemicals known to cause cancer or reproductive harm.

**SECTION 16: OTHER INFORMATION**

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM HMIS HAZARD RATING	
HEALTH	2
FLAMMABILITY	1
REACTIVITY	2
PERSONAL PROTECTION	C
4 – Severe, 3 – Serious, 2 – Moderate, 1 - Slight	
C – (Safety glasses, gloves, apron)	

The information provided herein was believed by Aquafin Inc. to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use.