

1 Identification

- **Product identifier**
- **Trade name:** **TOTALBOAT TABLETOP EPOXY HARDENER PART B**
- **Product Code(s):** 409334, 409335, 519708
- **Recommended use of the chemical and restrictions on use:**
- **Application of the substance / the preparation:** Sealing waterproof and decorative
- **Details of the supplier of the safety data sheet**
-
- **Distributor:**
- TOTALBOAT LLC
- 17 Peckham Drive
- Bristol, RI 02809
- (800) 497-0010
-
- **Emergency telephone number:**
- INFOTRAC: 800-535-5053
-

2 Hazard(s) identification

- **Classification of the substance or mixture**
Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200).



GHS05 Corrosion

Eye Damage 1

H318 Causes serious eye damage.



GHS07

Acute Toxicity - Oral 4 H302 Harmful if swallowed.

Acute Toxicity - Dermal 4 H312 Harmful in contact with skin.

- **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).

- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.

- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms**



GHS05 GHS07

- **Signal word** Danger
- **Hazard-determining components of labeling:**
Propylidynetrimethanol, propoxylated, reaction products with ammonia
Benzyl alcohol

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Ethyl 4-[[[(methylphenylamino)methylene]amino]benzoate

· **Hazard statements**

H302+H312 Harmful if swallowed or in contact with skin.

H318 Causes serious eye damage.

· **Precautionary statements**

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.

P302+P352 If on skin: Wash with plenty of 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.

P310 Immediately call a poison center/doctor.

P321 Specific treatment (see on this label).

P330 Rinse mouth.

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**· **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

· **Composition:**

CAS: 39423-51-3	Propylidynetrimethanol, propoxylated, reaction products with ammonia ⚠ Eye Damage 1, H318; ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Dermal 4, H312	50-70%
CAS: 100-51-6	Benzyl alcohol ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332	29-49%
CAS: 57834-33-0	Ethyl 4-[[[(methylphenylamino)methylene]amino]benzoate ⚠ Acute Toxicity - Oral 4, H302	1%

4 First-aid measures

· **Description of first aid measures**· **General description:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.· **After skin contact:** Immediately rinse with water.· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.· **After swallowing:** Immediately call a doctor.· **Most important symptoms and effects, both acute and delayed** No further relevant information available.· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Special protective equipment and precautions for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to section 13.

7 Handling and storage

- **Precautions for safe handling:** For the general occupational hygienic measures refer to Section 8.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from water.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

8 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**

CAS: 100-51-6 Benzyl alcohol (29-49%)

WEEL (USA) Long-term value: 10 ppm

- **Regulatory information** WEEL (USA): Guide to Occupational Exposure Values (AIHA WEELs)
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.**
- **Appropriate engineering controls:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
See Section 7 for information about design of technical facilities.
- **Individual protection measures, such as personal protective equipment**
- **Breathing equipment:** Not required.

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· **Hand protection:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection:**

Tightly sealed goggles

9 Physical and chemical properties

· **General Information**· **Appearance:**

Form:	Liquid
Color:	Colourless
Odor:	Odourless
Odor threshold:	Not available

· **pH-value:** Not available

· **Change in condition**

Melting point/Freezing point:	Not available
Initial boiling point and boiling range:	Not available

· **Flash point:** Not available

· **Flammability (solid, gas):** Not available

· **Auto-Ignition temperature:** Not available

· **Decomposition temperature:** Not available

· **Lower and upper explosion limit**

Lower:	Not available
Upper:	Not available

· **Vapor pressure:** Not available

· **Density:** Not available

· **Relative density:** Not available

· **Vapor density:** Not available

· **Evaporation rate:** Not available

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- | | |
|---|--|
| · Solubility in / Miscibility with Water: | Not available |
| · Partition coefficient (n-octanol/water): | Not available |
| · Viscosity: | |
| Dynamic: | Not available |
| Kinematic: | Not available |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** No further relevant information available.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:** Harmful if swallowed or in contact with skin.

- **LD/LC50 values that are relevant for classification:**

CAS: 100-51-6 Benzyl alcohol

Oral	LD50	1,230 mg/kg (rat)
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- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Strong irritant with the danger of severe eye injury.
- **Respiratory or skin sensitization:** Sensitization possible.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.

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- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· UN-Number	UN3082
· DOT, IMDG, IATA	
· UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
· DOT	(Propylidynetrimethanol, propoxylated, reaction products with ammonia)
· IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propylidynetrimethanol, propoxylated, reaction products with ammonia), MARINE POLLUTANT
· IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propylidynetrimethanol, propoxylated, reaction products with ammonia)
· Transport hazard class(es)	
· DOT, IMDG, IATA	
	
· Class	9 Miscellaneous dangerous substances and articles
· Label	9
· Packing group	
· DOT, IMDG, IATA	III
· Environmental hazards:	
· Marine pollutant:	Yes
	Yes (DOT)
	Symbol (fish and tree)
· Special marking (IATA):	Symbol (fish and tree)
· Special precautions for user	Warning: Miscellaneous dangerous substances and articles
· EMS Number:	F-A,S-F
· Stowage Category	A
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

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· **Transport/Additional information:**

· **DOT**

· **Quantity limitations**

On passenger aircraft/rail: 450 L

On cargo aircraft only: 450 L

· **Remarks:**

Special marking with the symbol (fish and tree).

· **IMDG**

· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":**

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (PROPYLIDYNETRIMETHANOL,
PROPOXYLATED, REACTION PRODUCTS WITH
AMMONIA), 9, III

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **New Jersey Right-to-Know List:**

None of the ingredients is listed.

· **New Jersey Special Hazardous Substance List:**

None of the ingredients is listed.

· **Pennsylvania Right-to-Know List:**

100-51-6 Benzyl alcohol

· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

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· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

16 Other information

· **Relevant hazard statements**

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

· *****

The contents and format of this SDS are in accordance with 29 CFR 1910.1200.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· **Date of preparation / last revision 02/02/2024**· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Acute Toxicity - Oral 4: Acute toxicity – Category 4

Eye Damage 1: Serious eye damage/eye irritation – Category 1

· *****

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SAFETY DATA SHEET

TOTALBOAT TABLETOP EPOXY RESIN

SECTION 1: IDENTIFICATION

GHS PRODUCT IDENTIFIERS:

PRODUCT NAME:	TotalBoat TableTop Epoxy Resin Part A
SYNONYMS, TRADE NAMES:	TotalBoat TableTop Epoxy Part A, Resin
OTHER MEANS OF IDENTIFICATION:	Not available

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

USES:	Polymer Matrix For Fiber-Reinforced Plastic (FRP)
RESTRICTIONS ON USE:	None Identified

SUPPLIER'S DETAILS:

SUPPLIER:	TOTALBOAT LLC 17 Peckham Drive Bristol, RI 02809 TELEPHONE: +1 800 497 0010 FACSIMILE: +1 401 254 5829
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EMERGENCY PHONE NUMBER:

INFOTRAC:	1 800 535 5053 (or go to www.infotrac.net)
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SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF SUBSTANCE OR MIXTURE:

Skin irritation:	Category 2, H315
Eye irritation:	Category 2, H319
Skin sensitization:	Category 1, H317
Hazardous to the aquatic environment:	Chronic Category 2, H411

GHS LABEL ELEMENTS:

HAZARD SYMBOLS:



SIGNAL WORDS:

Warning

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:



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PREVENTION: P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves, clothing, and eye/face protection.

RESPONSE: P301+P312 IF SWALLOWED: Call POISON CENTER and/or doctor if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P304+P340 IF INHALED: Remove person to fresh air and keep 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.
P337+P313 If eye irritation persists: Get medical attention.
P391 Collect spillage.

STORAGE: P403+P233 Store in a well-ventilated place. Keep container tightly closed.

DISPOSAL: P501 Dispose of contents and containers in accordance with local, regional and international regulations.

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS) – Annex III

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME:	CAS NUMBER:	CONTENT:
Bisphenol A Epoxy Resin	25068-38-6	80-100%

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

SECTION 4: FIRST-AID MEASURES

DESCRIPTION OF NECESSARY FIRST-AID MEASURES:

INHALATION: If affected, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

SKIN: Immediately remove contaminated clothing and shoes. Wash the affected area with plenty of soap and water until no evidence of the chemical remains (at least 15-20 minutes). Launder clothing before reuse. Get medical attention if symptoms occur.

EYES: Immediately flush eyes with plenty of clean water for an extended time, not less than fifteen (15) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion.

INGESTION: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse out the mouth with water. Get medical attention immediately.

MOST IMPORTANT SYMPTOMS AND EFFECTS, ACUTE AND DELAYED:

SYMPTOMS: Irritation. Pre-existing skin problems may be aggravated by prolonged or repeated contact. See section 11 for additional information.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

TREATMENT: Treat symptomatically.



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SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

SUITABLE: Use water spray, foam, dry chemical or carbon dioxide.

UNSUITABLE: None known.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

UNUSUAL FIRE & EXPLOSION HAZARDS: Product is not considered a fire hazard, but will burn if ignited. Closed container may rupture (due to build up in pressure) when exposed to extreme heat.

HAZARDOUS COMBUSTION PRODUCTS: Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See Section 10 Hazardous decomposition products for additional information.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS: Wear self-contained breathing apparatus (SCBA) equipped with a full face piece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations. See section 9 for additional information.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: See Section 8 for recommendations on the use of personal protective equipment. If spilled in an enclosed area, ventilate. Eliminate ignition sources. Personal Protective Equipment must be worn.

ENVIRONMENTAL PRECAUTIONS: Do not flush product into public sewer, water systems or surface waters.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Stop leak if without risk. Move containers from spill area. Contain by diking with sand, earth or other non-combustible material. Wear proper personal protective clothing and equipment. Absorb spill with an inert material. Place into labeled, closed container; store in safe location to await disposal. Change contaminated clothing and launder before reuse.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: As with any chemical product, use good laboratory/workplace procedures. Do not cut, puncture, or weld on or near the container. Use under well-ventilated conditions. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: Keep away from heat, sparks and open flames. Store dry at 15-40°C, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Empty container contains residual product which may exhibit hazards of product. Do not reuse empty container without commercial cleaning or reconditioning.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

OCCUPATIONAL EXPOSURE LIMITS:



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INGREDIENT NAME:	CAS NUMBER	ACGIH-TWA	ACGIH-STEL
Bisphenol A Epoxy Resin	25068-38-6	Not available	Not available

APPROPRIATE ENGINEERING CONTROLS: Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapor away from workers to prevent routine inhalation. Ventilation must be adequate to maintain air concentrations below occupational exposure standards. When necessary use mechanical handling to reduce human contact with materials.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE):

EYE/FACE PROTECTION:	Safety glasses or goggles required.
SKIN PROTECTION:	Wear chemical resistant (impervious) gloves; PVC, neoprene, nitrile rubber, EVAL, butyl rubber. Wear chemical resistant protective clothing. Use good laboratory/ workplace procedures including personal protective clothing: lab coat and protective gloves.
RESPIRATORY PROTECTION:	Wear an approved respirator (e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the applicable exposure limit(s) of any chemical substance listed in this SDS.
GENERAL PROTECTION:	Eyewash fountains and safety showers are recommended in the work area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid	UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	Not available
COLOR:	Yellow	VAPOUR PRESSURE:	Not available
ODOR:	Mild	VAPOUR DENSITY:	Not available
ODOR THRESHOLD:	Not available	RELATIVE DENSITY:	1.16
PH:	Not available	SOLUBILITY(IES):	Practically insoluble in water
MELTING POINT/ FREEZING POINT	Not available	PARTITION COEFFICIENT (n-octanol/water):	Not available
INITIAL BOILING POINT AND BOILING RANGE:	Not available	AUTO-IGNITION TEMPERATURE:	Not available
FLASH POINT:	>250°C (Closed Cup)	DECOMPOSITION TEMPERATURE:	Not available
EVAPORATION RATE:	Not available	VISCOSITY:	9,500 cP at 25°C
FLAMMABILITY (SOLID, GAS):	Not available		

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY: Exothermic reactions including polymerization may occur in contact with amines, strong acids, strong bases, alcohols, strong oxidizing agents and excessive heat.

CHEMICAL STABILITY: This product is stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Exothermic reactions including polymerization may occur in contact with amines, strong acids, strong bases, alcohols, strong oxidizing agents and excessive heat.

CONDITIONS TO AVOID: Excessive heat and ignition sources.

INCOMPATIBLE MATERIALS: Avoid strong acids, bases, and oxidizing agents. Avoid contact with amines.



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HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Phenolics.

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE: Eyes, skin, inhalation and ingestion.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

EYES: Causes serious eye irritation.
SKIN: May cause allergic skin reaction. Causes skin irritation. Repeated or prolonged contact may cause skin irritation and dermatitis.
INHALATION: High airborne concentrations of vapors resulting from heating, misting or spraying may cause irritation of the respiratory track and mucous membranes.
INGESTION: Ingestion may cause irritation.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE: Further information is not available.

ACUTE TOXICITY:

CHEMICAL NAME	LC ₅₀ INHALATION	LD ₅₀ ORAL (RAT)	LD ₅₀ DERMAL (RABBIT)
Bisphenol A Epoxy Resin	Not available	>2,000 mg/kg	>2,000 mg/kg

CORROSION / IRRITATION / SENSITIZATION INFORMATION:

SKIN CORROSION/IRRITATION: Skin irritation – Category 2
SERIOUS EYE DAMAGE/IRRITATION: Eye irritation – Category 2
RESPIRATORY OR SKIN SENSITIZATION: Skin sensitization – Category 1

CARCINOGENICITY / MUTAGENICITY / REPRODUCTIVE TOXICOLOGY INFORMATION:

GERM CELL MUTAGENICITY: Information is not available.
CARCINOGENICITY: Information is not available.
REPRODUCTIVE TOXICITY: Information is not available.

SPECIFIC TARGET ORGAN TOXICITY (STOT):

STOT-SINGLE EXPOSURE: Information is not available.
STOT-REPEATED EXPOSURE: Information is not available.

ASPIRATION HAZARD: Information is not available.

OTHER INFORMATION: Additional information is not available.

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY:

Chemical Name	LC ₅₀ 96 Hours (Fish)	EC ₅₀ 24 Hours (Daphnia)	IC ₅₀ 96 Hours (Bacteria)
Bisphenol A Epoxy Resin	2.4 mg/L	3.6 mg/L	>100 mg/L

N/E = Not established (no exposure limits established for listed substances for listed country/region/organization).

PERSISTENCE AND DEGRADABILITY:

Chemical Name **OECD Derived from OECD 301F (Biodegradation Test) - 28 Days**
Bisphenol A Epoxy Resin 5% (not readily biodegradable)



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BIOACCUMULATIVE POTENTIAL:

Chemical Name	Log P _{ow}	BCF	Potential
Bisphenol A Epoxy Resin	3.242	31	Low

MOBILITY IN SOIL:

Chemical Name	Soil/Water Partition Coefficient (K _{oc})
Bisphenol A Epoxy Resin	445

OTHER ADVERSE EFFECTS: Additional information is not available

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of unused contents (incineration) in accordance with national and local regulations. Dispose of container in accordance with national and local regulations. Ensure the use of properly authorized waste management companies, where appropriate. See section 8 for recommendations on the use of personal protective equipment.

SECTION 14. TRANSPORTATION INFORMATION

UN NUMBER: UN3082

UN PROPER SHIPPING NAME: Environmentally Hazardous Substance, Liquid, N.O.S. (Epoxy Resin)

TRANSPORT HAZARD CLASS:

U.S. DOT HAZARD CLASS:	Not Regulated
CANADA TDG HAZARD CLASS:	Not Regulated
EUROPE ADR/RID HAZARD CLASS:	9
IMDG CODE (OCEAN) HAZARD CLASS:	9
ICAO/IATA (AIR) HAZARD CLASS:	9

PACKING GROUP: III

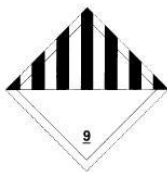
ENVIRONMENTAL HAZARDS:

MARINE POLLUTANT:	Yes
HAZARDOUS SUBSTANCE (USA):	No

SPECIAL PRECAUTIONS FOR USER: Information is not available.

TRANSPORTING IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:
Information is not available.

LABEL FOR CONVEYANCE:



OTHER INFORMATION: For surface shipments within the United States: Not regulated.

SECTION 15. REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT IN QUESTION:



SAFETY DATA SHEET

TOTALBOAT TABLETOP EPOXY RESIN

EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV – List of substances subject to authorization, Substances of very high concern

None of the components are listed.

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

None of the components are listed.

OTHER REGULATIONS: Additional information is not available.

CHEMICAL INVENTORIES:

Canadian Domestic Substances List (DSL):	Y
Canadian Non-Domestic Substances List (NDSL):	N
European Inventory of Existing Chemical Substances (EINECS):	Y
European List of Notified Chemical Substances (ENCS):	N
U.S. Toxic Substances Control Act (TSCA):	Y

A "Y" listing indicates all intentionally added components are either listed or are otherwise compliant with the regulation. A "N" listing indicates that for one or more components: 1) there is no listing on the public inventory; 2) no information is available; or 3) the component has not been reviewed.

SECTION 16. OTHER INFORMATION

REVISION DATE: August 10, 2016

LEGEND:

- ACGIH: American Conference of Governmental Industrial Hygienists
- ADR/RID: European dangerous goods transport road and rail regulations
- CAS No: Chemical Abstract Service Registry Number
- DOT: Department of Transportation (U.S.)
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organization
- IMDG: International Maritime Dangerous Goods code
- OEL: Occupational Exposure Limits
- OSHA: Occupational Safety and Health Administration (U.S.)
- PEL: Permissible Exposure Limit
- RQ: Reportable Quantity
- SDS: Safety Data Sheet
- STEL: Short Term Exposure Limit (15 minute Time Weighted Average)
- TDG: Canadian Transportation of Dangerous Goods Act and Regulations
- UN: United Nations
- U.S.: United States

USERS RESPONSIBILITY/DISCLAIMER OF LIABILITY:

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.