SECTION 1: IDENTIFICATION

GHS PRODUCT IDENTIFIERS:

PRODUCT NAME: TotalBoat Underwater Repair Epoxy
SYNONYMS, TRADE NAMES: TotalBoat Underwater Repair Epoxy, Part B Hardener
OTHER MEANS OF IDENTIFICATION: TB-6667, TB-6666, TB-6665

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

USES: Epoxy Repair Putty
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

EMERGENCY PHONE NUMBER:
INFO TRAC: 1 800 535 5053 (or go to www.infotrac.net)

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
Acute toxicity, oral: Category 4, H302
Acute toxicity, inhalation: Category 4, H332

GHS LABEL ELEMENTS:

HAZARD SYMBOLS:

SIGNAL WORDS: Warning
HAZARD STATEMENTS:
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
SAFETY DATA SHEET
TOTALBOAT UNDERWATER REPAIR EPOXY HARDENER

H319 Causes serious eye irritation.
H332 Harmful if inhaled.

PRECAUTIONARY STATEMENTS:

PREVENTION:
P260 Do not breathe mists.
P261 Avoid breathing dust, fumes, gas mist, vapors and spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves, clothing, and eye/face protection.

RESPONSE:
P301+P330+P331+P312 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER if you feel unwell.
P303+P361+P364+P353+P352 IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
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.
P308+P313 IF exposed or concerned: 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

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS NUMBER</th>
<th>CONTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyamide Resin</td>
<td>TS</td>
<td>30-50%</td>
</tr>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>14808-60-7</td>
<td>20-30%</td>
</tr>
<tr>
<td>Talc</td>
<td>14807-96-6</td>
<td>20-30%</td>
</tr>
</tbody>
</table>

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 immediately.
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. Get medical attention immediately.

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: Burns. Irritation. Pre-existing skin problems may be aggravated by prolonged or repeated contact. Persons with sensitive airways (e.g., asthmatics) may react to vapors. See section 11 for additional information.

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

TREATMENT: Treat symptomatically.

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:

OCCATIONAL EXPOSURE LIMITS:

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS NUMBER</th>
<th>ACGIH-TWA</th>
<th>ACGIH-STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyamide Resin</td>
<td>TS</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>14808-60-7</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Talc</td>
<td>14807-96-6</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

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: | Full face shield with safety glasses or goggles underneath are 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

<p>| APPEARANCE: | Paste | UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: Not available |
| COLOR:      | Black | VAPOUR PRESSURE: &lt;1.0 mm Hg at 21°C |
| ODOUR:      | Amine-like | VAPOUR DENSITY: Heavier than air |</p>
<table>
<thead>
<tr>
<th>Property</th>
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<td>Odour Threshold</td>
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<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Range</td>
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</tr>
<tr>
<td>Flash Point</td>
<td>&gt;110°C</td>
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<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
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<tr>
<td>Relative Density</td>
<td>1.61</td>
</tr>
<tr>
<td>Solubility (ies)</td>
<td>Slightly</td>
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<tr>
<td>Partition Coefficient (n-octanol/water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Thixotropic</td>
</tr>
</tbody>
</table>

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity: Exothermic reactions including polymerization may occur in contact with 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 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.

Hazardous Decomposition Products: Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, aldehydes, oxides of nitrogen and other products of incomplete combustion.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on the Likely Routes of Exposure: Eyes, skin, inhalation and ingestion.

Symptoms Related to the Physical, Chemical and Toxico logical Characteristics:

- **Eyes:** Causes serious eye irritation.
- **Skin:** Harmful in contact with skin. Causes skin irritation. May cause allergic skin reaction. Harmful in contact with skin.
- **Inhalation:** Harmful if inhaled. Exposure to vapors or mists may cause severe irritation and burns of the nose, throat and respiratory tract.
- **Ingestion:** Harmful if swallowed. Ingestion may cause severe irritation and burns of the mouth, throat and digestive tract.

Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure: None

Acute Toxicity:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LC50 Inhalation (Rat)</th>
<th>LD50 Oral (Rat)</th>
<th>LD50 Dermal (Rabbit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyamide Resin</td>
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<td>&gt;2,000 mg/kg</td>
<td>&gt;2,000 mg/kg</td>
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<tr>
<td>Crystalline Silica, Quartz</td>
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<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Talc</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Corrosion, Irritation, Sensitization Information:
SAFETY DATA SHEET
TOTALBOAT UNDERWATER REPAIR EPOXY HARDENER

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:

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<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>TEST</th>
<th>SPECIES</th>
<th>RESULT</th>
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</thead>
<tbody>
<tr>
<td>Polyamide Resin</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Crystalline Silica, Quartz</td>
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<td></td>
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<tr>
<td>Talc</td>
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<td></td>
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</tbody>
</table>

PERSISTENCE AND DEGRADABILITY:

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>TEST</th>
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<tbody>
<tr>
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<tr>
<td>Crystalline Silica, Quartz</td>
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<td></td>
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</tr>
<tr>
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<td></td>
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</tr>
</tbody>
</table>

BIOACCUMULATIVE POTENTIAL:

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>Log P&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>POTENTIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyamide Resin</td>
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</tr>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>Not available</td>
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</tr>
<tr>
<td>Talc</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

MOBILITY IN SOIL:

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>SOIL/WATER PARTITION COEFFICIENT (K&lt;sub&gt;OC&lt;/sub&gt;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyamide Resin</td>
<td>Not available</td>
</tr>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>Not available</td>
</tr>
<tr>
<td>Talc</td>
<td>Not available</td>
</tr>
</tbody>
</table>

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: 

UN PROPER SHIPPING NAME: Not Regulated

TRANSPORT HAZARD CLASS: 

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

PACKING GROUP:

ENVIRONMENTAL HAZARDS: 
MARINE POLLUTANT: No 
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: None

SECTION 15. REGULATORY INFORMATION

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

EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV – List of substances subject to authorization, Substances of very high concern 
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
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: November 1, 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

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