

1. 284 Identification

Product Identifier: **TAP Marine Grade 102 Fast Epoxy Hardener**
 Use: **Polymer Matrix for Fiber-Reinforced Plastic (FRP). For Industrial/Professional use only.**
 Manufacturer: **Polytek Development Corp.**
55 Hilton Street, Easton, PA 18042
 Phone Number: **800-858-5990 (8am to 6:30pm EST)**
 Emergency Phone: **CHEMTREC 800-424-9300 or +1 703-527-3887**
 E-mail: **sds@polytek.com**

2. Hazards Identification

GHS Classification:

Acute Toxicity (Dermal) – Category 4
 Skin Irritation – Category 2
 Serious Eye Damage – Category 1
 Skin Sensitization – Category 1
 Germ Cell Mutagenicity – Category 2
 Specific Target Organ Toxicity – Repeated Exposure Category 2

Label Elements: Danger



Hazard Phrases

H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H341 Suspected of causing genetic defects.
 H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Phrases

P203 Obtain, read and follow all safety instructions before use.
 P260 Do not breathe fumes, vapors, mists or sprays.
 P264 Wash thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves, protective clothing, eye protection, and face protection.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P305+P354+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P317 Get medical help.
 P319 Get medical help if you feel unwell.
 P318 IF exposed or concerned, get medical advice.
 P333+P317 If skin irritation or rash occurs: Get medical help.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P405 Store locked up.
 P501 Dispose of contents and container in accordance with local, regional, and national regulations.

Supplemental Information: This is one part of a two-part system. Read and understand the hazard information on resin before using.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Proprietary Amine	Proprietary	90-100

Exact concentrations are withheld as trade secret. Other ingredients are not listed because they are either not hazardous or are below cut-off/concentration thresholds.

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Remove contact lenses if safe and easy to do. Continue rinsing. Get medical attention immediately.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention immediately. Wash contaminated clothing before reuse. Discard clothing that cannot be decontaminated.

Inhalation: Remove person to fresh air. Get medical attention immediately.

Ingestion: Rinse mouth. Do NOT induce vomiting. Get medical attention if you feel unwell.

Most Important Symptoms/Effects: Harmful in contact with skin and if inhaled.

Indication of Immediate Medical Attention/Special Treatment: Get immediate medical attention if on skin, in eyes, or inhaled.

5. Fire-Fighting Measures

Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or spread fire.

Specific Hazards: Not classified as flammable or combustible. Product will burn under fire conditions. Combustion products include oxides of carbon, phenolics, aldehydes and other toxic organic compounds.

Special Protective Equipment & Precautions for Fire-Fighters: Wear positive pressure, self-contained breathing apparatus, and full-body protective clothing.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency

Procedures: Clear unnecessary, unprotected personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors.

Methods and Materials for Containment and Cleanup: Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid releases to the environment.

7. Handling and Storage

Safe Handling: Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not eat, drink, or smoke in the work area. Keep container closed when not in use.

Safe Storage: Store indoors at temperatures below 120°F (49°C). Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed. Store locked up.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: None established.

Ventilation: Use with adequate general or local exhaust ventilation to minimize exposure levels.

Respiratory Protection: If needed, an approved respirator with organic vapor cartridges may be used. Respirator selection and use should be based on contaminant type, form, and concentration. For higher exposures or in an emergency, use a supplied-air respirator. Use respirators in accordance with OSHA's Respiratory Protection Standard (29 CFR 1910.134).

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety glasses/goggles.

Other Protective Measures: Prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and Chemical Properties

Appearance: Liquid, clear amber
Odor: Phenol-like
Odor Threshold: No data available
pH: 10
Melting Point: No data available
Boiling Point: No data available
Flash Point: >135.56°C
Evap. Rate: No data available
Upper/Lower Flammability Limits: No data available
Vapor Pressure: <1.33 mm Hg @ 21°C
Vapor Density: No data available
Relative Density: 1.09
Solubility: Nil to slightly soluble in water
Partition Coefficient: n-octanol/Water: No data available
Auto-Ignition Temp: No data available
Decomposition Temp: No data available
Viscosity: No data available

10. Stability and Reactivity

Reactivity: Not normally reactive.
Chemical Stability: Stable under recommended conditions.
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: Avoid excessive heat and ignition sources.
Incompatible Materials: Avoid contact with strong oxidizing agents, acids, and bases.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, aldehydes, and oxides of nitrogen.

11. Toxicological Information

Eye Contact: Causes serious eye damage.
Skin Contact: Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
Inhalation: Toxic if inhaled.
Ingestion: No data available.
Chronic Health Effects: May cause an allergic skin reaction.
Acute Toxicity Values: For Proprietary Amine:
 Oral LD₅₀ (rat): 2,200 mg/kg
 Dermal LD₅₀ (rabbit): >1,000 mg/kg
Respiratory Sensitization: Components are not classified as respiratory sensitizers.
Skin Sensitization: May cause an allergic skin reaction.
Germ Cell Mutagenicity: Suspected of causing genetic defects.
Carcinogenicity: Components are not classified as carcinogens.
Reproductive Toxicity: Components are not classified as reproductive toxins.
Specific Target Organ Toxicity: May cause damage to organs through prolonged or repeated exposure.

12. Ecological Information

Ecotoxicity: No data available. Avoid release to the environment.
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.

13. Disposal Considerations

Dispose according to local, state, and federal regulations. Do not dump in drains or sewers.

14. Transport Information

Not regulated for transport in any mode.
Emergency Shipping Information: Call CHEMTREC, 800-424-9300 or +1-703-527-3887

15. Regulatory Information

U.S. FEDERAL REGULATIONS:
CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements.

SARA TITLE III

Section 311/312: Acute/Chronic Health Hazard
Section 313 Toxic Chemicals: This product does not contain chemicals subject to SARA Title III Section 313 reporting requirements.
Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All components in this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer and/or reproductive harm. www.P65Warnings.ca.gov

16. Other Information

Training Advice: All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions: This product is intended for industrial/professional use only.

SDS Revision Notes: GHS Format: October 12, 2022

Disclaimer: The information contained herein is considered accurate; however, Polytek® Development Corp. makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.