

## 1. Identification

Product Identifier: **Wizard 31 All-Season Epoxy Hardener**  
 Part #: 66-440030-256/66-440031-256  
 Use: For Industrial/Professional use only.

Manufacturer: Brunswick Bowling Products, LLC  
 525 W. Laketon Ave.  
 Muskegon, MI 49441

Phone Number: 231-725-4966 (8am to 5pm EST)  
 Emergency Phone: CHEMTEL 813-248-0585

## 2. Hazards Identification

### GHS Classification:

Acute Toxicity (Dermal) – Category 4  
 Skin Corrosion – Category 1B  
 Serious Eye Damage – Category 1  
 Skin Sensitizer – Category 1  
 Germ Cell Mutagen – Category 2  
 Reproductive Toxin – Category 1B  
 Hazardous to the Aquatic Environment – Acute Hazard Category 3  
 Hazardous to the Aquatic Environment – Chronic Hazard Category 2

Label Elements: Danger



### Hazard Phrases

H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H341 Suspected of causing genetic defects.  
 H360 May damage fertility or the unborn child.  
 H402 Harmful to aquatic life.  
 H411 Toxic to aquatic life with long lasting effects.

### Precautionary Phrases

P203 Obtain, read and follow all safety instructions before use.  
 P260 Do not breathe dust or mists.  
 P264 Wash with soap and water thoroughly after handling.  
 P272 Contaminated work clothing must not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves, protective clothing, eye protection, and face protection.  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P302+P361+P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.  
 P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P316 Get emergency medical help immediately.  
 P317 Get medical help.  
 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.  
 P363 Wash contaminated clothing before reuse.  
 P391 Collect spillage.  
 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 #	%
Triethylenetetramine	112-24-3	40-50
o-Cresyl glycidyl ether	2210-79-9	30-40
Polyoxypropylenediamine	9046-10-0	20-30
Di-n-Butyl Phthalate	84-74-2	0-5

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:** Immediately rinse 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.

**Inhalation:** Remove person to fresh air. Get medical attention if symptoms develop or persist.

**Ingestion:** Rinse mouth. Do not induce vomiting unless instructed to do so by a medical professional. Get medical attention if you feel unwell.

**Most Important Symptoms/Effects:** Harmful in contact with skin. Causes severe eye damage.

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

## 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. Do not breathe fumes, vapors, mists, or spray. 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.

## 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, amber

**Odor:** Ammonia

**Odor Threshold:** No data available

**pH:** Not determined.

**Melting Point:** No data available

**Boiling Point:** No data available

**Flash Point:** No data available

**Evap. Rate:** No data available

**Upper/Lower Flammability Limits:** No data available

**Vapor Pressure:** No data available

**Vapor Density:** No data available

**Relative Density:** No data available

**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:** Masses of  $\geq 1$  lb. (0.5 kg) plus epoxy resin will cause irreversible polymerization with considerable heat build-up.

**Conditions to Avoid:** Avoid excessive heat.

**Incompatible Materials:** Avoid contact with strong oxidizing agents.

**Hazardous Decomposition Products:** Uncontrolled exothermic reaction of amines releases carbon monoxide, carbon dioxide, phenolics, and aldehydes.

## 11. Toxicological Information

**Eye Contact:** Causes serious eye damage.

**Skin Contact:** Harmful in contact with skin. Causes severe skin burns. May cause allergic skin reaction.

**Inhalation:** May cause mild respiratory irritation.

**Ingestion:** No data available.

**Chronic Health Effects:** May cause an allergic skin reaction.

**Acute Toxicity Values:** For Triethylenetetramine (CAS 112-24-3):

Oral LD<sub>50</sub> (rat): 1,700 mg/kg

Dermal LD<sub>50</sub> (rabbit): 1,460 mg/kg

For o-Cresyl glycidyl ether (CAS 2210-79-9):

Oral LD<sub>50</sub> (rat): 4,000 mg/kg

For Polyoxypropylenediamine (CAS 9046-10-0):

Oral LD<sub>50</sub> (rat): 3,069 mg/kg

Dermal LD<sub>50</sub> (rabbit): 3,170 mg/kg

For Di-n-Butyl Phthalate (CAS 84-74-2):

Oral LD<sub>50</sub> (rat): 8,000 mg/kg

Dermal LD<sub>50</sub> (rabbit): 20,860 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:** May damage fertility or the unborn child.

**Specific Target Organ Toxicity:** No data available.

## 12. Ecological Information

**Ecotoxicity:** Toxic to aquatic life with long lasting effects.

Do not release into waterways.

**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

**DOT:** UN2735, Amines, liquid, corrosive, n.o.s

(polyoxypropylenediamine, triethylenetetramine), 8, III. (LTD QTY if shipped in quantities of 5L (1.32gal) or less.)

For 55-gal drums and larger: UN2735, Amines, liquid, corrosive, n.o.s (polyoxypropylenediamine, triethylenetetramine), 8, III, RQ

**IATA/IMDG:** UN2735, Amines, liquid, corrosive, n.o.s

(polyoxypropylenediamine, triethylenetetramine), 8, III, MARINE POLLUTANT.

**Emergency Shipping Information:** Call CHEMTEL 813-248-0585

## 15. Regulatory Information

**U.S. FEDERAL REGULATIONS:**

**CERCLA 103 Reportable Quantity:** The RQ for Di-n-Butyl Phthalate is 10lb. Some states have more stringent reporting requirements.

**SARA TITLE III**

**Section 311/312:** Acute/Chronic Health Hazard

**Section 313 Toxic Chemicals:** This product contains chemicals subject to SARA Title III Section 313 reporting requirements:

Di-n-Butyl Phthalate (CAS 84-74-2) 0-5%

**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 can expose you to chemicals including Dibutyl Phthalate, which are known to the State of California to cause reproductive harm. [www.P65Warnings.ca.gov](http://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:** February 21, 2024

**Disclaimer:** The information contained herein is considered accurate; however, Brunswick Bowling Products, LLC 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.