

Section 1: Identification

PRODUCT IDENTIFIER: EPOXY-ELITE 2 RESIN

CHEMICAL FAMILY: MODIFIED EPOXY RESIN

EMERGENCY PHONE: CHEMTREC 800-424-9300 (US) Day or night
Customer No. 16568

MANUFACTURER: PACE Technologies
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Tucson, Arizona USA
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Section 2: Hazard(s) Identification

GHS CLASIFICATION:	Skin Irritation – Category 2 Eye Irritation – Category 2A Skin Sensitization – Category 1 Germ Cell Mutagenicity – Category 2 (from BGE) Carcinogenicity – Category 2 (from BGE) Reproductive Toxicity – Category 2 (from epoxy resin data) Specific Target Organ Toxicity, Single Exposure – Category 3 (BGE, narcotic effects) Aquatic Chronic – Category 2
PICTOGRAM(s):	
SIGNAL WORD:	Warning
HAZARD STATEMENTS:	Hazard Statement(s): H315 – Causes skin irritation H319 – Causes serious eye irritation H317 – May cause an allergic skin reaction H335 – May cause respiratory irritation H336 – May cause drowsiness or dizziness (<i>BGE</i>) H341 – Suspected of causing genetic defects (<i>BGE</i>) H351 – Suspected of causing cancer (<i>BGE</i>) H361f – Suspected of damaging fertility (<i>epoxy resin/BPA</i>) H411 – Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS:	<p>Precautionary Statement(s):</p> <p>Preventions:</p> <p>P201 – Obtain special instructions before use P202 – Do not handle until all safety precautions have been read and understood P261 – Avoid breathing vapors/mist P264 – Wash hands thoroughly after handling 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/protective clothing/eye protection/face protection</p> <p>Response:</p> <p>P302+P352 – IF ON SKIN: Wash with plenty of water P333+P313 – If skin irritation or rash occurs: Get medical advice/attention P362+P364 – Take off contaminated clothing and wash before reuse 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 advice/attention P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing P308+P313 – IF exposed or concerned: Get medical advice/attention P363 – Wash contaminated clothing before reuse.</p> <p>Storage:</p> <p>P403+P233 – Store in a well-ventilated place. Keep container tightly closed P405 – Store locked up</p> <p>Disposal:</p> <p>P501 – Dispose of contents/container to Federal, State and Local Regulations.</p>
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Section 3: Composition/Information on Ingredients

<u>COMPONENT(S)</u>	<u>CAS NO.</u>	<u>%</u>
4,4'-Isopropylidenediphenol-epichlorohydrin copolymer (Bisphenol A diglycidyl ether resin)	25068-38-6	>85
Butyl glycidyl ether (BGE)	2426-08-6	<15

Section 4: First-Aid Measures

EYE CONTACT: Rinse cautiously with water for several minutes. Seek medical advice if irritation persists.

SKIN CONTACT: Wash with soap and water. Remove contaminated clothing. Seek medical help if irritation persists.

INHALATION: Move to fresh air. Get medical attention if symptoms develop.

INGESTION: Rinse mouth. Do not induce vomiting. Seek immediate medical care.

Section 5: Fire-Fighting Measures

EXTINGUISHING MEDIA: Foam, dry chemical, CO₂, water spray.

HAZARDS: Combustion can produce CO, CO₂, aldehydes, phenolic compounds.

PROTECTIVE EQUIPMENT: Firefighters should use SCBA.

Section 6: Accidental Release Measures

- Ventilate area, eliminate ignition sources.
 - Wear PPE.
 - Absorb with inert material (sand, vermiculite).
 - Collect waste in closed containers for disposal.
 - Prevent release to environment.
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Section 7: Handling and Storage

- Avoid skin/eye contact and inhalation.
 - Use in well-ventilated area.
 - Store in tightly closed container in cool, dry place.
 - Keep away from heat and ignition sources.
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Section 8: Exposure Controls/ Personal Protection

ENGINEERING CONTROLS:	Local exhaust ventilation.
RESPIRATORY:	Use NIOSH-approved respirator if vapors present.
SKIN:	Nitrile gloves, protective clothing.
EYES:	Safety glasses/goggles.
EXPOSURE LIMITS:	Butyl glycidyl ether: ACGIH TLV 50 ppm TWA

Section 9: Physical and Chemical Properties

Appearance: Clear to pale yellow viscous liquid	Odor: Sweet/epoxy odor
Flash Point: ~150 °C (resin) / 52 °C (BGE) → mixture combustible	Boiling Point: >200 °C (resin) / 162 °C (BGE)
Vapor Pressure: Low (resin) / ~3 mmHg @ 20 °C (BGE)	Solubility: Resin insoluble, BGE slight solubility in water

Section 10: Stability and Reactivity

STABILITY:	This product is stable and non-reactive under normal conditions.
HAZARDOUS POLYMERIZATION:	Under normal conditions of storage and use, hazardous polymerization will not occur.
CONDITIONS TO AVOID:	Avoid strong oxidizers, acids, bases.
HAZARDOUS DECOMPOSITION PRODUCTS:	Decomposition may yield CO, CO ₂ , aldehydes.

Section 11: Toxicological Information

Routes of exposure:	Inhalation, skin, eyes, ingestion.
Skin:	Irritant to skin and mucous membranes
Eye:	Irritating effect.
Sensitization:	Sensitization possible through skin contact.
Chronic effects:	Epoxy resins may cause allergic sensitization; BGE is a suspected carcinogen/mutagen.
Reproductive effects:	Suspected reproductive hazard (resin).

Section 12: Ecological Information

- Toxic to aquatic life, long-term effects possible.
 - Not readily biodegradable.
 - May bioaccumulate.
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Section 13: Disposal Considerations

- Dispose in accordance with federal, state, and local regulations.
 - Do not discharge to sewer or environment.
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Section 14: Transportation Information

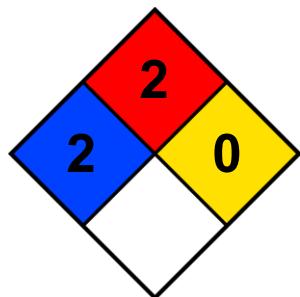
CFR_GROUND	Not regulated in small quantities
IATA_C	Not regulated in small quantities

Section 15: Regulatory Information

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16: Other Information

16.1 NFPA 704



Top, Flammability: 2 – Moderate Hazard

Left, Health Hazard: 1 – Moderate Hazard

Right, Reactivity: 0 – Minimal Hazard

Bottom, Special Notice: N/A

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DATE REVISED: 9/17/2025 DZ