PART A · RESIN

EPOXY 49 TM PART A - 100% Solids Cycloaliphatic Epoxy Resin (Component A Only)

Epoxy49 LLC · 1714 W 23rd St, Houston, TX 77008 · (346) 281-7132 · CHEMTREC 24-HR: 1-800-424-9300

SECTION 1 - IDENTIFICATION (29 CFR 1910.1200)

Product Identifier: EPOXY 49 TM PART A - 100% Solids Cycloaliphatic Epoxy Resin (Component A Only) | SKU: EP-49-CLR-A
Recommended Use: Component A (Base Epoxy Resin) for EPOXY 49 two-part high-build commercial & metallic flooring system (mix 2A:1B).
Manufacturer / Supplier: Epoxy49 LLC · 1714 W 23rd St, Houston, TX 77008 · (346) 281-7132 · sales@epoxy49.com
24-Hour Chemical Emergency Phone: CHEMTREC 24-HR: 1-800-424-9300 (US & Canada) / +1-703-527-3887 (Intl).

SECTION 2 - HAZARD(S) IDENTIFICATION (OSHA HAZCOM 2012 / GHS REV. 7)

WARNING



GHS07 EXCLAMATION



GHS09 ENVIRONMENT

* H315: Causes skin irritation (Skin Irritation Category 2).
* H317: May cause an allergic skin reaction (Skin Sensitization Category 1).
* H319: Causes serious eye irritation (Eye Irritation Category 2A).
* H411: Toxic to aquatic life with long lasting effects (Aquatic Chronic Category 2).
* P261 / P264: Avoid breathing mist or vapors. Wash hands and exposed skin thoroughly after handling.
* P280: Wear chemical-resistant >=8 mil nitrile gloves, long-sleeve workwear, and ANSI Z87.1 splash goggles.
* P302+P352 / P333+P313: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice.
* P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes, removing contact lenses. P273/P501: Prevent aquatic release.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY / COMPONENT	CAS REGISTRY NO.	WEIGHT %
Bisphenol-A / Epichlorohydrin Reaction Product Epoxy Resin	25068-38-6	78 - 90%
Alkyl (C12-C14) Glycidyl Ether Reactive Diluent	68609-97-2	10 - 22%

SECTION 4 - FIRST-AID MEASURES

* Eye Contact: Rinse cautiously with lukewarm water for at least 15 minutes. Seek medical attention if eye irritation persists.
* Skin Contact: Wipe off excess resin with clean cloth, then wash thoroughly with mild soap and water (do NOT use solvents).
* Inhalation / Ingestion: Move to fresh air. If swallowed, rinse mouth and consult Poison Control or CHEMTREC 1-800-424-9300.

SECTION 5 - FIRE-FIGHTING MEASURES

* Flash Point >250°F (>121°C). Extinguish with foam, dry chemical, CO2, or water fog. Wear SCBA against COx/phenolic smoke.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

* Dike and absorb spilled Part A resin with inert vermiculite, dry sand, or clay. Prevent entry into storm sewers or waterways.

SECTION 7 - HANDLING AND STORAGE

*** Store sealed at 60°F-85°F. If crystallized in cold storage (<55°F), warm sealed pail in 110°F water bath to restore clarity.**

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION (PEL / TLV)

* OSHA PEL / ACGIH TLV: None established for non-volatile liquid diglycidyl ether resins. Wear nitrile gloves & safety goggles.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor:	Crystal-clear viscous liquid, mild	**Component Role:**	Part A Resin (Mix 2A : 1B Vol)
Viscosity @ 77°F:	1,100 - 1,400 cps (unmixed A)	**Specific Gravity:**	1.13 g/cm3 (9.43 lbs/gal)
Flash Point (PMCC):	> 250°F (> 121°C) Closed Cup	**Solids / VOC:**	100% Solids | VOC < 5 g/L

SECTION 10 - STABILITY AND REACTIVITY

* Stable in sealed container. Uncontrolled mixing with strong Lewis acids, caustics, or excess aliphatic amines causes exotherm.

SECTION 11 - TOXICOLOGICAL INFORMATION

* Acute Oral LD50 (rat) >5,000 mg/kg; Acute Dermal LD50 (rabbit) >2,000 mg/kg. Moderate skin/eye irritant; dermal sensitizer.

SECTION 12 - ECOLOGICAL INFORMATION

* LC50 (96h Trout) 1.5-2.4 mg/L; EC50 (48h Daphnia) 1.7 mg/L. Not readily biodegradable uncured; inert once cured with Part B.

SECTION 13 - DISPOSAL CONSIDERATIONS

* Uncured Part A is non-RCRA ignitable/corrosive in US federal code; dispose via licensed industrial waste contractor.

SECTION 14 - TRANSPORT INFORMATION (US DOT 49 CFR / IMDG / IATA)

*** US DOT 49 CFR Domestic Ground: NOT REGULATED FOR DOMESTIC GROUND TRANSPORT (49 CFR 171.4(c) non-bulk <=119 gal; Marine Pollutant >5L bulk/vessel only).**
*** IMDG Ocean / IATA Air: UN3082, Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-A Epoxy Resin), Class 9, PG III (<=5.0 L inner exempted per IATA SP A197 / IMDG 2.10.2.7).**
* Emergency Transport Response (49 CFR Sec. 172.604): CHEMTREC 24-HR: 1-800-424-9300.

SECTION 15 - REGULATORY INFORMATION (TSCA / SARA / 50-STATE VOC)

* US EPA TSCA 8(b): All ingredients ACTIVE. SARA 311/312: Skin/Eye Irritation, Skin Sensitization. SARA 313: None. Prop 65: Trace epichlorohydrin <1 ppm.

SECTION 16 - OTHER INFORMATION, HMIS RATINGS & REVISION LOG

*** HMIS III Rating: Health: 2 | Flammability: 1 | Physical Hazard: 0 | PPE: B (Safety Goggles & Chemical-Resistant Nitrile Gloves)**
* Revision Date: November 2026 (Rev 2026.11) | Prepared By: Epoxy49 LLC · 1714 W 23rd St, Houston, TX 77008 · (346) 281-7132.
* Disclaimer: Data furnished in good faith per OSHA 29 CFR 1910.1200. Because substrate moisture and field execution are beyond manufacturer control, liability is limited to replacement of defective product.