PART B · HARDENER

EPOXY 49 TM PART B - Cycloaliphatic Polyamine Hardener (Component B 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 B - Cycloaliphatic Polyamine Hardener (Component B Only) | SKU: EP-49-CLR-B
Recommended Use: Component B (Cycloaliphatic Amine Curing Agent) for EPOXY 49 100% solids clear/metallic epoxy 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)

DANGER


GHS05 CORROSION


GHS07 EXCLAMATION


GHS09 ENVIRONMENT

* H302 + H312: Harmful if swallowed or in contact with skin (Acute Toxicity Category 4).
* H314 / H318: Causes severe skin burns and serious eye damage (Skin Corrosion Category 1B / Eye Damage Category 1).
* H317: May cause an allergic skin reaction (Skin Sensitization Category 1).
* H412: Harmful to aquatic life with long lasting effects (Aquatic Chronic Category 3).
* P260 / P280: Do not breathe mist or vapors. Wear >=8 mil nitrile/butyl gloves, impervious apron, and chemical splash goggles/face shield.
* P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call Poison Control or CHEMTREC 1-800-424-9300.
* P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower for 15 minutes.
* P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for 15+ minutes removing lenses. Immediately call a doctor.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY / COMPONENT	CAS REGISTRY NO.	WEIGHT %
Isophoronediamine (3-Aminomethyl-3,5,5-trimethylcyclohexylamine)	2855-13-2	35 - 50%
Polyoxypropylenediamine (Polyetheramine D-230)	9046-10-0	25 - 40%
Benzyl Alcohol	100-51-6	15 - 30%

SECTION 4 - FIRST-AID MEASURES

* Eye Contact: CORROSIVE! Immediately irrigate eyes with running water for at least 15-20 minutes. Obtain urgent emergency medical care.
* Skin Contact: Immediately remove contaminated clothing/shoes and flush skin with plenty of water and mild soap for 15 minutes.
* Inhalation / Ingestion: Move to fresh air. If swallowed, rinse mouth with water; NEVER induce vomiting. Call 1-800-424-9300.

SECTION 5 - FIRE-FIGHTING MEASURES

* Flash Point >205°F (>96°C). Extinguish with alcohol-resistant foam, dry chemical, CO2, or water fog. Toxic NOx/amine fumes; wear SCBA.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

* Evacuate non-essential personnel, don full corrosive PPE, dike with dry sand/vermiculite, and transfer to plastic recovery pails.

SECTION 7 - HANDLING AND STORAGE

*** Keep tightly sealed at 60°F-85°F; absorbs atmospheric CO2/moisture (amine carbamation). Mix 2A:1B and pour ribbons onto slab immediately.**

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

* Benzyl Alcohol AIHA WEEL: 10 ppm (44 mg/m3) TWA. Provide mechanical ventilation; wear splash goggles, butyl/nitrile gloves, OV respirator.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor:	Water-clear to pale straw, amine odor	**Component Role:**	Part B Hardener (Mix 2A : 1B Vol)
Viscosity @ 77°F:	120 - 220 cps (unmixed B)	**Specific Gravity:**	0.98 g/cm3 (8.18 lbs/gal) | pH ~11.2
Flash Point (PMCC):	> 205°F (> 96°C) Closed Cup	**VOC Content:**	< 10 g/L (Zero-Solvent Reactive)

SECTION 10 - STABILITY AND REACTIVITY

* Stable sealed. Reacts vigorously with epoxy resins in bulk mass (>200°F exotherm) and with strong acids, oxidizers, or acrylates.

SECTION 11 - TOXICOLOGICAL INFORMATION

* Isophoronediamine Oral LD50 (rat) 1,030 mg/kg; Benzyl Alcohol Oral LD50 1,230 mg/kg. Severe dermal/corneal burns (Cat. 1B); sensitizer.

SECTION 12 - ECOLOGICAL INFORMATION

* Isophoronediamine 48h EC50 (Daphnia) 17.4 mg/L; harmful to aquatic organisms (H412). Do not discharge uncured hardener to drains.

SECTION 13 - DISPOSAL CONSIDERATIONS

* Uncured Part B is RCRA D002 Corrosive / hazardous waste where applicable; dispose via licensed RCRA contractor.

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

*** US DOT 49 CFR Ground: UN2735, Amines, liquid, corrosive, n.o.s. (Isophoronediamine, Polyoxypropylenediamine), Class 8, PG III.**
*** 49 CFR 173.154 Limited Quantity Exception: Eligible for Ground Limited Quantity when inner packaging <= 5.0 L (1-Gal / 3.78 L pail in <=30 kg carton). 5-Gal pails ship Class 8 Hazmat LTL.**
* 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 components ACTIVE. SARA 311/312: Acute Toxicity, Skin Corrosion, Eye Damage, Sensitization. SARA 313: None.

SECTION 16 - OTHER INFORMATION, HMIS RATINGS & REVISION LOG

*** HMIS III Rating: Health: 3 | Flammability: 1 | Physical Hazard: 0 | PPE: H (Splash Goggles, Face Shield, Nitrile/Butyl Gloves, OV Respirator)**
* 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.