PART B · HARDENER

PRIMER 49 TM PART B - Penetrating Cycloaliphatic Amine Curing Agent (Component B)

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: PRIMER 49 TM PART B - Penetrating Cycloaliphatic Amine Curing Agent (Component B) | SKU: PR-49-CLR-B
Recommended Use: Component B (Low-Viscosity Amine Hardener) for PRIMER 49 penetrating concrete adhesion primer (mix 2A:1B by volume).
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 (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 (Category 1). H335: May cause respiratory irritation.
* H412: Harmful to aquatic life with long lasting effects (Category 3).
* P260 / P280: Do not breathe vapors or mist. Wear >=8 mil nitrile/butyl gloves, long sleeves, splash goggles, and face shield.
* P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call Poison Control or CHEMTREC 1-800-424-9300 immediately.
* P303+P361+P353: IF ON SKIN (or hair): Remove contaminated clothing at once and flush skin with water for 15 minutes.
* P305+P351+P338+P310: IF IN EYES: Flush continuously with water for 15+ minutes and seek immediate emergency medical care.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY / COMPONENT	CAS REGISTRY NO.	WEIGHT %
Isophoronediamine Cycloaliphatic Amine Adduct	2855-13-2	35 - 50%
Polyoxypropylenediamine	9046-10-0	25 - 35%
Benzyl Alcohol	100-51-6	20 - 30%

SECTION 4 - FIRST-AID MEASURES

* Eye Contact: CORROSIVE! Flush eyes immediately with continuous lukewarm water for 15-20 minutes. Seek urgent medical treatment.
* Skin Contact: Strip contaminated clothing immediately and wash skin thoroughly with water and mild soap.
* Inhalation / Ingestion: Move to fresh air. If ingested, rinse mouth; do NOT induce vomiting. Call CHEMTREC 1-800-424-9300.

SECTION 5 - FIRE-FIGHTING MEASURES

* Flash Point >205°F (>96°C). Use alcohol-resistant foam, dry chemical, CO2, or water spray. Wear full SCBA against amine/NOx smoke.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

* Isolate spill zone, ventilate, wear corrosive PPE, absorb with dry sand/vermiculite, and place into non-reactive HDPE containers.

SECTION 7 - HANDLING AND STORAGE

*** Store tightly closed at 60°F-85°F away from moisture and CO2. Combine 2A:1B and pour ribbons onto slab immediately after mixing.**

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

* Benzyl Alcohol AIHA WEEL: 10 ppm TWA. Use jobsite cross-ventilation; wear chemical splash goggles, nitrile gloves, and OV mask.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor:	Light amber low-visc liquid, amine	**Component Role:**	Part B Primer Hardener (Mix 2A : 1B)
Viscosity @ 77°F:	80 - 160 cps (unmixed B)	**Specific Gravity:**	0.97 g/cm3 (8.09 lbs/gal) | pH ~11.0
Flash Point (PMCC):	> 205°F (> 96°C) Closed Cup	**VOC Content:**	< 10 g/L (Reactive Co-Reactant)

SECTION 10 - STABILITY AND REACTIVITY

* Stable sealed. Exothermic reaction when mixed in concentrated volume with epoxy resins or strong mineral acids/oxidizers.

SECTION 11 - TOXICOLOGICAL INFORMATION

* Oral LD50 (rat) ~1,100 mg/kg. Causes severe alkaline burns to skin, eyes, and GI tract (H314); dermal sensitizer (H317).

SECTION 12 - ECOLOGICAL INFORMATION

* Harmful to aquatic organisms with long-lasting effects (H412). Prevent uncured hardener from entering storm drains or soil.

SECTION 13 - DISPOSAL CONSIDERATIONS

* Dispose uncured liquid corrosive amine waste via licensed RCRA hazardous waste 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: Skin Corrosion, Serious 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 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.