KIT OVERVIEW (A+B)

PRIMER 49 TM - Deep-Penetrating 100% Solids Capillary Primer (Part A & Part 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 - Deep-Penetrating 100% Solids Capillary Primer (Part A & Part B) | SKU: PR-49-CLR
Recommended Use: Low-viscosity two-component 100% solids penetrating concrete adhesion primer & pore sealer (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

* H314: Causes severe skin burns and serious eye damage (Part B Amine Hardener).
* H315 / H319: Causes skin irritation and serious eye irritation (Part A Epoxy Resin).
* H317: May cause an allergic skin reaction. H335: May cause respiratory tract irritation.
* H411: Toxic to aquatic life with long lasting effects.
* P260 / P280: Do not breathe vapors or mist. Wear chemical-resistant nitrile gloves, eye protection, and coveralls.
* P303+P361+P353: IF ON SKIN: Immediately remove contaminated clothing and wash thoroughly with soap and water.
* P305+P351+P338+P310: IF IN EYES: Flush continuously with water for at least 15 minutes and seek immediate medical care.
* P273 / P501: Prevent entry into sewers/waterways. Dispose of uncured material in accordance with federal/state regulations.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY / COMPONENT	CAS REGISTRY NO.	WEIGHT %
Part A - Low-MW Bisphenol-A / Bisphenol-F Epoxy Resin	25068-38-6 / 28064-14-4	65 - 85%
Part A - Difunctional Reactive Glycidyl Ether Diluent	17557-23-2	15 - 35%
Part B - Isophoronediamine Cycloaliphatic Amine Adduct	2855-13-2	35 - 50%
Part B - Polyoxypropylenediamine / Benzyl Alcohol	9046-10-0 / 100-51-6	45 - 65%

SECTION 4 - FIRST-AID MEASURES

* Eye Contact: Immediately flush eyes with water for 15+ minutes removing contact lenses. Seek immediate medical care.
* Skin Contact: Remove contaminated clothing/shoes. Wash skin with mild soap and water. Seek medical aid if irritation persists.
* Inhalation / Ingestion: Move to fresh air. If swallowed, rinse mouth; do NOT induce vomiting. Call CHEMTREC 1-800-424-9300.

SECTION 5 - FIRE-FIGHTING MEASURES

* Extinguish with foam, dry chemical, CO2, or water spray. Wear self-contained breathing apparatus (SCBA) in enclosed fires.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

* Contain spill with dry sand or vermiculite. Transfer to labeled open-top recovery pails; never seal mixed A+B mass.

SECTION 7 - HANDLING AND STORAGE

*** Mix 2A:1B for 3 min @ 350 RPM and pour ribbons onto CSP 2-3 slab immediately. Store tightly closed indoors at 60°F-85°F.**

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

* Provide mechanical ventilation. Wear ANSI Z87.1 splash goggles, >=8 mil nitrile gloves, long sleeves, and NIOSH OV respirator.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Part A: Clear low-visc | Part B: Light amber	**Mix Ratio:**	2 Parts A : 1 Part B by Volume (3-Gal Kit)
Viscosity (72°F):	350 - 450 cps (deep-penetrating)	**Specific Gravity:**	Part A: 1.11 | Part B: 0.97
Flash Point:	> 200°F (> 93°C) Closed Cup	**Solids / VOC:**	100% Solids (D2697) | VOC < 10 g/L (EPA 24)

SECTION 10 - STABILITY AND REACTIVITY

* Chemically stable when separated. Mixing >1 gal in closed/standing pail causes rapid heat buildup. Avoid strong acids/oxidizers.

SECTION 11 - TOXICOLOGICAL INFORMATION

* Part A Oral LD50 >2,000 mg/kg; Part B corrosive to skin/cornea (H314) and dermal sensitizer (H317). Non-carcinogenic.

SECTION 12 - ECOLOGICAL INFORMATION

* Toxic to aquatic organisms in uncured liquid state (H411). Prevent runoff to storm drains. Cured polymer film is non-toxic.

SECTION 13 - DISPOSAL CONSIDERATIONS

* Uncured liquid components require licensed hazardous waste disposal. Cured thin-film solids may be disposed per local code.

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

*** US DOT 49 CFR Ground (Part A): Not Regulated for Domestic Ground Transport (Marine Pollutant >5L bulk/vessel only).**
*** US DOT 49 CFR Ground (Part B): UN2735, Amines, liquid, corrosive, n.o.s. (Isophoronediamine), Class 8, PG III (49 CFR 173.154 Limited Quantity <= 5.0 L inner).**
* Emergency Transport Response (49 CFR Sec. 172.604): CHEMTREC 24-HR: 1-800-424-9300.

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

* TSCA 8(b): All ingredients ACTIVE. SARA 311/312: Skin Corrosion, Eye Damage, Sensitization. 50-State VOC Compliant (<10 g/L).

SECTION 16 - OTHER INFORMATION, HMIS RATINGS & REVISION LOG

*** HMIS III Rating: Health: 3 | Flammability: 1 | Physical Hazard: 1 | PPE: H (Splash Goggles, Nitrile Gloves, Apron, 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.