PART A · RESIN

POLYASPARTIC 49 TM PART A - Aliphatic Polyaspartic Ester 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: POLYASPARTIC 49 TM PART A - Aliphatic Polyaspartic Ester Resin (Component A Only) | SKU: PA-49-FAST-A
Recommended Use: Component A (Polyaspartic Acid Ester Co-Reactant Resin) for POLYASPARTIC 49 UV-stable aliphatic topcoat (mix 1A: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

* H317: May cause an allergic skin reaction (Skin Sensitization Category 1).
* H319: Causes serious eye irritation (Eye Irritation Category 2A).
* H412: Harmful to aquatic life with long lasting effects (Aquatic Chronic Category 3).
* P261 / P264: Avoid breathing mist or vapors. Wash hands and exposed skin thoroughly after handling.
* P280: Wear chemical-resistant nitrile gloves, protective workwear, and ANSI Z87.1 chemical safety 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. P273/P501: Avoid environmental release.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY / COMPONENT	CAS REGISTRY NO.	WEIGHT %
Polyaspartic Acid Ester (Tetraethyl N,N'-(methylenedicyclohexane-4,1	136210-30-5	88 - 96%
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) Sebacate HALS UV Stabilizer	41556-26-7	1 - 4%
Polysiloxane Surface Deaerator & Flow Modifier	Trade Secret	1 - 3%

SECTION 4 - FIRST-AID MEASURES

* Eye Contact: Flush cautiously with lukewarm water for 15 minutes, removing contact lenses. Seek medical care if irritation persists.
* Skin Contact: Wipe off excess resin and wash skin thoroughly with mild soap and water. Launder contaminated clothing.
* 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

* Flash Point >212°F (>100°C). Extinguish with foam, dry chemical, CO2, or water fog. Firefighters wear full SCBA.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

* Contain spill with dry inert absorbent (sand, vermiculite) and collect into labeled recovery containers. Keep out of drains.

SECTION 7 - HANDLING AND STORAGE

*** Store tightly sealed in metal F-style tins at 60°F-80°F away from moisture. Mix 1A:1B gently 2 min @ 300-350 RPM.**

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

* OSHA PEL / ACGIH TLV: None established for polyaspartic acid ester. Wear nitrile gloves, splash goggles, and ensure ventilation.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor:	Water-clear liquid, mild ester odor	**Component Role:**	Part A Aspartic Resin (Mix 1A : 1B)
Viscosity @ 77°F:	600 - 900 cps (unmixed A)	**Specific Gravity:**	1.07 g/cm3 (8.93 lbs/gal)
Flash Point (PMCC):	> 212°F (> 100°C) Closed Cup	**Solids / VOC:**	98-99% Solids | VOC < 50 g/L (SCAQMD)

SECTION 10 - STABILITY AND REACTIVITY

* Chemically stable in sealed dry container. Reacts rapidly with aliphatic/aromatic polyisocyanates (Part B), strong acids, oxidizers.

SECTION 11 - TOXICOLOGICAL INFORMATION

* Oral LD50 (rat) >2,000 mg/kg; Dermal LD50 (rat) >2,000 mg/kg. Dermal sensitizer (H317) and moderate eye irritant (H319). Non-carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

* 96h LC50 (Danio rerio) 66 mg/L; 48h EC50 (Daphnia) 88.6 mg/L. Harmful to aquatic life with long-lasting effects (H412).

SECTION 13 - DISPOSAL CONSIDERATIONS

* Dispose uncured liquid ester resin via licensed industrial waste contractor per local, state, and federal regulations.

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

*** US DOT 49 CFR Domestic Ground: NOT REGULATED AS DANGEROUS GOODS (Non-Hazardous / Non-Corrosive / Flash Point >212°F).**
*** IMDG Ocean / IATA Air: NOT REGULATED AS DANGEROUS GOODS across Ground, Air, or Ocean modes.**
* 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 Sensitization, Eye Irritation. SARA 313: None. 50-State VOC (<50 g/L).

SECTION 16 - OTHER INFORMATION, HMIS RATINGS & REVISION LOG

*** HMIS III Rating: Health: 2 | Flammability: 1 | Physical Hazard: 0 | PPE: B (Chemical Splash Goggles & 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.