PART B · ACTIVATOR

POLYASPARTIC 49 TM PART B - Aliphatic HDI Homopolymer Activator (Component B)

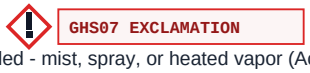
Epoxy49 LLC · 1714 W 23rd St, Houston, TX 77008 · (346) 281-7132 · CHEMTREC 24-HR: 1-800-424-9300

SECTION 1 - IDENTIFICATION (29 CFR 1910.1200)

Product Identifier: POLYASPARTIC 49 TM PART B - Aliphatic HDI Homopolymer Activator (Component B) | SKU: PA-49-FAST-B
Recommended Use: Component B (Aliphatic Hexamethylene Diisocyanate Homopolymer Activator) for POLYASPARTIC 49 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)

DANGER



* H332: Harmful if inhaled - mist, spray, or heated vapor (Acute Inhalation Category 4).
* H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled (Respiratory Sensitization Category 1).
* H335: May cause respiratory irritation (STOT-SE Category 3).
* H317: May cause an allergic skin reaction (Skin Sensitization Category 1).
* P260 / P271: Do not breathe vapors, mist, or spray. Use outdoors or in well-ventilated spaces; never spray-atomize without supplied air.
* P280 / P284: Wear >=8 mil nitrile gloves, chemical goggles, and NIOSH organic-vapor / P100 cartridge respirator where ventilation is limited.
* P304+P340 / P342+P311: IF INHALED: Move person to fresh air and keep comfortable for breathing. If asthma symptoms occur: Call doctor/911.
* P403+P233: Store tightly sealed in factory metal F-tin in dry 60°F-80°F area (reacts with moisture to generate CO2 pressure).

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY / COMPONENT	CAS REGISTRY NO.	WEIGHT %
Hexamethylene Diisocyanate (HDI) Homopolymer (Isocyanurate Trimer)	28182-81-2	98.5 - 99.9%
Hexamethylene-1,6-Diisocyanate Monomer (Residual)	822-06-0	< 0.10%

SECTION 4 - FIRST-AID MEASURES

* Inhalation: Move person to fresh air immediately. Respiratory sensitization symptoms may be delayed 4-12 hours; seek medical care.
* Eye & Skin Contact: Flush eyes with water for 15 minutes. Wipe skin immediately and wash with soap and water.
* Ingestion: Rinse mouth with water; do NOT induce vomiting. Call Poison Control or CHEMTREC 1-800-424-9300 immediately.

SECTION 5 - FIRE-FIGHTING MEASURES

* Flash Point >316°F (>158°C). Use dry chemical, CO2, or foam. Avoid pouring water into open Part B tins (evolves CO2). Wear SCBA.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

* Ventilate, wear OV/P100 respirator, absorb with damp-neutralizer or inert clay into open-top pails (do NOT seal tightly for 48h).

SECTION 7 - HANDLING AND STORAGE

*** MOISTURE SENSITIVE: Reseal metal F-style tin cap immediately after pouring. Never return damp roller residue to Part B tin.**

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

* HDI Homopolymer (CAS 28182-81-2) Mfr Guideline: 0.5 mg/m3 TWA / 1.0 mg/m3 STEL; Monomeric HDI (<0.1%) ACGIH TLV: 0.005 ppm TWA.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor:	Water-clear liquid, practically odorless	**Component Role:**	Part B HDI Activator (Mix 1A : 1B)
Viscosity @ 77°F:	450 - 700 cps (low-visc trimer)	**Specific Gravity:**	1.13 g/cm3 (9.43 lbs/gal) | NCO ~23%
Flash Point (PMCC):	> 316°F (> 158°C) Closed Cup	**Monomeric HDI:**	< 0.10% wt (Low-Monomer Grade)

SECTION 10 - STABILITY AND REACTIVITY

* Stable dry at 60°F-80°F. Reacts with water, humidity, alcohols, and amines releasing heat and CO2 gas (rupture risk if wet tin sealed).

SECTION 11 - TOXICOLOGICAL INFORMATION

* Oral LD50 (rat) >5,000 mg/kg; Inhalation LC50 (4h rat aerosol) ~0.39-1.5 mg/L. Respiratory & skin sensitizer (H334/H317). Non-carcinogenic.

SECTION 12 - ECOLOGICAL INFORMATION

* Reacts with water at interface to form insoluble, non-bioavailable solid polyurea. 96h LC50 (Danio rerio) >100 mg/L (WAF).

SECTION 13 - DISPOSAL CONSIDERATIONS

* Dispose uncured liquid isocyanate via licensed RCRA waste contractor, or react 1:1 with Part A in thin film until inert solid.

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

*** US DOT 49 CFR Domestic Ground: NOT REGULATED AS CORROSIVE OR FLAMMABLE (Non-DG Ground; <0.1% monomeric HDI, Flash Point >316°F).**
*** IMDG Ocean / IATA Air: Not Regulated as Dangerous Goods. Protect metal F-tins from moisture ingress during transit.**
* 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 Inhalation, Respiratory/Skin Sensitization, STOT-SE. SARA 313: HDI <0.1%.

SECTION 16 - OTHER INFORMATION, HMIS RATINGS & REVISION LOG

*** HMIS III Rating: Health: 2* (Respiratory Sensitizer) | Flammability: 1 | Physical Hazard: 1 (Moisture Reactive) | PPE: H (NIOSH OV/P100 Mask)**
* 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.