★ RS-SDS-PA-200B · GHS / OSHA HCS 2012 · REV 01 · 04/2026

Safety Data Sheet

PA-200 Part B · Polyaspartic Hardener

§ 01 IDENTIFICATION

PRODUCT NAME	PA-200 Part B · Polyaspartic Hardener
INTERNAL SKU / CODE	PA-200 (B-side)
SYNONYMS	Polyisocyanate hardener · Polyaspartic Part B (HDI-trace)
RECOMMENDED USE	Two-component clear floor coating (B-side hardener) for industrial and trade applications.
RESTRICTIONS ON USE	Not suitable for use in DIY / consumer applications. Trade and industrial use only by trained applicators with respiratory protection.
SUPPLIER (OF RECORD)	Resin Source LLC 9402 Hunters Trace East Austin, TX 78758, USA
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§ 02 HAZARD(S) IDENTIFICATION

★ SIGNAL WORD: DANGER OSHA HCS 2012 / GHS

GHS CLASSIFICATION	Skin Irritant Cat. 2 (H315). Skin Sensitizer Cat. 1 (H317). Eye Irritant Cat. 2B (H320). Respiratory Sensitizer Cat. 1 (H334).

HAZARD STATEMENTS

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H320	Causes eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

PRECAUTIONARY STATEMENTS

— PREVENTION

P261	Avoid breathing dust / fume / gas / mist / vapors / spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves / eye protection / face protection.
P284	Wear respiratory protection.

(§ 02 PRECAUTIONARY STATEMENTS, CONT'D)

— RESPONSE

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P362+P364	Take off contaminated clothing and wash it before reuse.

§ 03 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	% (WT)	COMMENTS
Polyisocyanate (HDI-based prepolymer; specific identity withheld as trade secret per 29 CFR 1910.1200(i))	Listed	≈ **100**	Reactive isocyanate prepolymer.
Hexamethylene diisocyanate (HDI), residual monomer	822-06-0	≤ **0.7**	Trace residual monomer.

§ 04 FIRST-AID MEASURES

INHALATION — Move victim to fresh air. If breathing is difficult, give oxygen. If experiencing respiratory symptoms, call a POISON CENTER or physician immediately. If not breathing, give artificial respiration.

SKIN — Remove contaminated clothing and shoes. Flush affected area with large amounts of water and soap. Get medical advice/attention if irritation develops. Launder clothing before reuse.

EYE — Immediately flush with plenty of running water for at least 15 minutes, occasionally holding eyelids apart. If eye irritation persists, get medical advice/attention.

INGESTION — Give 2–4 cups of water or milk. Get medical attention immediately. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN — Treat symptoms as they arise. Facilities storing or utilizing this material should be equipped with eyewash facilities and a safety shower.

§ 05 FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA — Small fires: dry chemical, carbon dioxide, water spray. Large fires: water spray.

UNSUITABLE MEDIA — This product is insoluble in water; high-volume water jets may spread fire.

SPECIFIC HAZARDS — During a fire, irritating and highly toxic gases (carbon monoxide, oxides of nitrogen, isocyanate vapor, traces of hydrogen cyanide) may be generated by thermal decomposition or combustion.

ADVICE FOR FIRE-FIGHTERS — Wear full protective clothing and self-contained breathing apparatus. Use water spray to keep fire-exposed containers cool.

§ 06 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS — Wear appropriate personal protective equipment (PPE). Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation; wear appropriate respirator when ventilation is inadequate. Note: this product may produce a slip hazard.

ENVIRONMENTAL PRECAUTIONS — Avoid dispersal of spilled material. Prevent runoff and contact with soil, waterways, drains, and sewers. Inform authorities if the product has caused environmental pollution.

CONTAINMENT / CLEAN-UP — Cleanup personnel must use appropriate PPE. Remove all sources of ignition. Stop leak if without risk. Move containers from spill area. Dike or dam spilled material with non-combustible absorbent (sand, earth, vermiculite, diatomaceous earth) and control further spillage. Collect and place spilled material in suitable container for proper disposal per local, state, and federal regulations. Do not allow spilled material or wash water to enter sewers, surface waters, or groundwater systems. Use grounded or non-sparking tools and equipment. Wash spill area with soap and water.

§ 07 HANDLING AND STORAGE

HANDLING — Do not breathe vapors or spray mist. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation and personal protection. Remove contaminated PPE; wash hands and face thoroughly after handling and before eating or drinking. Keep containers closed when not in use. Empty containers retain product residue and can be hazardous.

Use proper bonding and grounding to reduce static-discharge risk. Use spark-proof tools and explosion-proof equipment. This product reacts slowly with water to form CO■ — sealed containers may pressurize and rupture explosively if contaminated with moisture.

STORAGE — Store sealed pails between 0–30 °C (32–86 °F) in a well-ventilated area away from food products, sources of ignition, and direct sunlight. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled, unapproved, or reactive containers. Personnel education and training in the safe use and handling of this product are required under OSHA Hazard Communication Standard 29 CFR 1910.1200.

§ 08 EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS — OSHA PELs: none listed for product.
ACGIH TLV (HDI): 8-hour TWA 0.005 ppm (0.034 mg/m³).
NIOSH REL (HDI): 8-hour TWA 0.005 ppm (0.035 mg/m³); ceiling 0.020 ppm (0.140 mg/m³, 10-min).
ACGIH BEI (HDI): 1,6-hexamethylenediamine urinary (with hydrolysis) = 15 µg/g creatinine, end of work shift.

ENGINEERING CONTROLS — Facilities should be equipped with eyewash and safety shower. Use general or local exhaust ventilation to keep airborne concentrations below permissible exposure limits.

PERSONAL PROTECTION — Eyes/face: safety goggles per 29 CFR 1910.133; full face shield if splash hazard exists. Hands: chemical-resistant gloves (Viton recommended) per 29 CFR 1910.138. Respiratory: organic-vapor mask if exposure to vapors is foreseen, per 29 CFR 1910.134; positive-pressure air-supplied respirator if uncontrolled release is possible. Skin/body: rubber or plastic apron, permeation-resistant clothing, long-sleeved shirt and pants. Wash contaminated clothing before reuse.

§ 09 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM	Liquid
APPEARANCE	Clear
COLOR	Colorless to light yellow
ODOR	None / very slight
FLASH POINT	190 °C (Cleveland open cup)
RELATIVE DENSITY	1.15 @ 20 °C (H■O = 1)
WATER SOLUBILITY	Insoluble (reacts slowly with water → CO■)
VISCOSITY	≈ 500 mPa·s @ 25 °C
EVAPORATION RATE	Estimated very low
VAPOR PRESSURE	Estimated very low
AUTO-IGNITION	No data available

§ 10 STABILITY AND REACTIVITY

REACTIVITY — No data available.
CHEMICAL STABILITY — Stable at room temperature in closed containers under normal storage and handling.
POSSIBILITY OF HAZARDOUS REACTIONS — None when stored and handled correctly. Hazardous polymerization does not occur.
CONDITIONS TO AVOID — Sunlight, temperatures exceeding 40 °C / 104 °F, moisture.
INCOMPATIBLE MATERIALS — Amines, alcohols (exothermic). Reacts slowly with water → CO■; risk of bursting closed containers from pressure increase.
HAZARDOUS DECOMPOSITION PRODUCTS — Carbon monoxide, oxides of nitrogen, isocyanates, traces of hydrogen cyanide if heated to decomposition.

§ 11 TOXICOLOGICAL INFORMATION

LD50, ORAL (RAT) — PRODUCT	> 2,000 mg/kg
LD50, DERMAL (RAT) — PRODUCT	> 2,000 mg/kg
HDI COMPONENT, LD50 ORAL (RAT)	747 mg/kg (Cat. 4)
HDI COMPONENT, LC50 INHALATION (4 h, dust/mist)	20 mg/m³ (Cat. 1)
HDI COMPONENT, LD50 DERMAL (RABBIT)	593 mg/kg (Cat. 3)
SKIN IRRITATION	Cat. 2
EYE IRRITATION	Cat. 2B
SKIN SENSITIZATION	Cat. 1
RESPIRATORY SENSITIZATION	Cat. 1
CARCINOGENICITY (NTP / OSHA / IARC)	Not listed

§ 12 ECOLOGICAL INFORMATION

ACUTE AQUATIC TOXICITY (DAPHNIA	>89.1 mg/L (HDI component)
PERSISTENCE & DEGRADABILITY	No data available for product
BIOACCUMULATIVE POTENTIAL	No data available
MOBILITY IN SOIL	No data available
PBT / VPVB ASSESSMENT	No data available
OZONE-LAYER HAZARDS	No Montreal Protocol substances

§ 13 DISPOSAL CONSIDERATIONS

WASTE TREATMENT — Dispose in accordance with federal, state, and local regulations. Avoid or minimize waste generation where possible. Empty containers should be taken to an approved waste-handling site for recycling or disposal. Incineration or landfill should be considered only when recycling is not feasible.

EMPTY CONTAINERS — Do not heat or cut containers with electric or gas torches. Do not pressurize, weld, braze, solder, drill, or grind. Recondition or dispose of empty container in accordance with applicable laws. Do not reuse empty container without proper cleaning. Label precautions also apply to the container when empty.

§ 14 TRANSPORT INFORMATION

UN NUMBER — Not classified for transport under UN criteria.
DOT / IMO·IMDG / IATA·ICAO — Not regulated.
PROPER SHIPPING NAME — Not applicable.
TRANSPORT HAZARD CLASS — Not applicable.
PACKING GROUP — Not applicable.
ENVIRONMENTAL HAZARDS — Not applicable.
SPECIAL PRECAUTIONS — None known.
TRANSPORT IN BULK (MARPOL 73/78 / IBC Code) — Not applicable.

§ 15 REGULATORY INFORMATION

TSCA — All components are listed on the TSCA Inventory or are exempt from listing.
OSHA HAZARDS — Hazardous under 29 CFR 1910.1200.
CERCLA RQ — Hexamethylene-1,6-diisocyanate (HDI): RQ 100 lbs.
SARA 302 — No components listed.
SARA 304 — No components listed.
SARA 311/312 — Acute Health Hazard: YES.
SARA 313 — No components above De Minimis reporting threshold.
CLEAN AIR ACT — No HAPs (40 CFR 61); no §112(r) chemicals; no SOCMI Intermediate / Final VOCs.
CLEAN WATER ACT — No §311 hazardous substances; no §307 toxic pollutants.
STATE RIGHT-TO-KNOW — HDI listed in Massachusetts, New Jersey, Pennsylvania.
CALIFORNIA PROP. 65 — No listed carcinogens / reproductive toxicants present.

§ 16 OTHER INFORMATION

Full text of hazard ('H') statements referenced in this SDS:

H315 — Causes skin irritation.
H317 — May cause an allergic skin reaction.
H320 — Causes eye irritation.
H334 — May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H319 — Causes serious eye irritation.
H335 — May cause respiratory irritation.

ABBREVIATIONS — ACGIH: American Conference of Governmental Industrial Hygienists. NIOSH: National Institute for Occupational Safety and Health. OSHA: Occupational Safety and Health Administration. MSHA: Mine Safety and Health Administration. TWA: Time-Weighted Average (8 h/day, 40 hr/week). STEL: Short-Term Exposure Limit (15-min). LD50 / LC50: median lethal dose / concentration. PBT / vPvB: persistent, bioaccumulative, toxic / very persistent and very bioaccumulative.

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