

ENDRUST® PSX CLEAR — Part B (Hardener)

Isocyanate Hardener for PSX CLEAR

SAFETY DATA SHEET

SDS-PSX CLEAR B | GHS 7
Issued: September 2026

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Name	ENDRUST® PSX CLEAR Part B
Other Names	PSX CLEAR Hardener
Recommended Use	Aliphatic polyisocyanate curing agent (hardener) for ENDRUST® PSX CLEAR Part A. Mix 1 part Part B with 4 parts Part A by volume.
Supplier	Endrust Australia
ABN	62 651 348 659
Street Address	23b Fairbrother Street, Belmont WA 6104
Telephone	(08) 6365 5123
Email	info@endrust.com.au
Emergency Contact	Poisons Information Centre: 13 11 26

2. HAZARDS IDENTIFICATION

GHS Classification: Hazardous chemical according to the criteria of Safe Work Australia. **Signal Word:** WARNING

Dangerous Goods: Classified as Dangerous Goods according to the Australian Dangerous Goods Code (ADG).

GHS CLASSIFICATION	HAZARD STATEMENT
Flammable Liquids — Cat. 3	H226 Flammable liquid and vapour
Acute Toxicity (inhalation) — Cat. 4	H332 Harmful if inhaled
Skin Sensitisation — Cat. 1	H317 May cause an allergic skin reaction
STOT Single Exposure — Cat. 3	H335 May cause respiratory irritation
STOT Single Exposure — Cat. 3	H336 May cause drowsiness or dizziness

Pictograms: Flame (GHS02), Exclamation Mark (GHS07)

Isocyanate Warning: Contains isocyanates (hexamethylene diisocyanate and its homopolymer). May produce an allergic reaction. Delayed asthma-like symptoms are possible. People with asthma, other respiratory conditions or known isocyanate sensitivity should not use this product.

Precautionary Statements

CODE	PRECAUTIONARY STATEMENT
P101 / P102 / P103	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.
P210 / P233	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed.
P240 / P241	Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment.
P242 / P243	Use non-sparking tools. Take action to prevent static discharges.
P261 / P271	Avoid breathing mist, vapours or spray. Use only outdoors or in a well-ventilated area.
P272 / P280	Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection and face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340 / P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a Poisons Information Centre or doctor if you feel unwell.
P333+P313 / P363	If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use foam, water spray or fog to extinguish.
P403+P233 / P405	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
P403+P235 / P501	Store in a well-ventilated place. Keep cool. Dispose of contents and container in accordance with local regulations.

Poison Schedule: S6. Poison

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS NO	PROPORTION
Hexamethylene-1,6-diisocyanate homopolymer	28182-81-2	50 – 70%
n-Butyl acetate	123-86-4	10 – 30%
1-Methoxy-2-propyl acetate	108-65-6	<10%

CHEMICAL ENTITY	CAS NO	PROPORTION
Xylene	1330-20-7	<10%
Hexamethylene-1,6-diisocyanate (HDI monomer)	822-06-0	<0.3%
Other non-hazardous ingredients	—	Balance

Proportions are % weight/weight. Product contains <0.1% benzene. All constituents are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre — Phone Australia 13 11 26.

Inhalation: Remove to fresh air and keep calm, if safe to do so. If rapid recovery does not occur, or if wheezing, coughing or breathing difficulty develops (this may be delayed), seek medical attention.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with water, then soap. Seek medical attention if a rash or skin reaction develops.

Eye Contact: Hold eyes open and flush with water for at least 15 minutes. Seek immediate medical assistance.

Ingestion: Do NOT induce vomiting. Seek medical attention. If vomiting occurs, keep head below hips to prevent aspiration.

Symptoms: Irritation of eyes, nose, throat and airways; dizziness, headache, nausea, loss of coordination; high exposure may cause unconsciousness. Isocyanate sensitisation may cause delayed asthma-like symptoms — sensitised people should avoid further exposure. Skin: drying, cracking or allergic rash.

5. FIRE FIGHTING MEASURES

Hazchem Code: +3Y

Extinguishing Media: Foam, water spray or fog, carbon dioxide, dry chemical powder. Do not use a water jet.

Specific Hazards: Flammable liquid. Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapours and traces of hydrogen cyanide — do not breathe fumes.

Fire Fighting Advice: Heated containers may rupture violently — keep cool with water spray. Fire fighters to wear self-contained breathing apparatus. Do not allow contaminated fire-fighting water to enter soil, drains or waterways.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Remove ignition sources. Isolate the area and keep unprotected people away. Wear PPE including respiratory protection (Section 8). Bond and earth all equipment.

Environmental Precautions: Contain with sand, earth or other barriers to keep product out of drains and waterways. Ventilate the area thoroughly.

Clean Up: Recover by mechanical means into a labelled container. Cover the remainder with wet absorbent material (e.g. sawdust or sand). After about one hour, shovel into an open waste container — do NOT seal, as carbon dioxide is given off and pressure can build. Keep damp in a safe, ventilated area for several days before disposal.

7. HANDLING AND STORAGE

Handling: Take the precautions required for handling isocyanates. Avoid breathing vapour or spray mist and avoid contact with skin and eyes. Provide good general ventilation; exhaust ventilation is necessary when spraying. Flammable — earth all equipment during transfer. Keep away from food and drink. Wash hands before breaks and at the end of work. Keep work clothes separate and remove contaminated clothing immediately.

Storage: Store tightly closed in a cool, dry, well-ventilated area away from heat, ignition sources, acids, oxidising agents, water, alcohols and amines. Reacts with moisture in air and water, forming carbon dioxide — keep containers closed and check regularly for leaks or bulging. Store as a Class 3 Flammable Liquid and as a Schedule 6 poison.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Limits (Safe Work Australia)

INGREDIENT	TWA (ppm)	TWA (mg/m³)	STEL (ppm)	STEL (mg/m³)
Isocyanates, all (as –NCO) — HDI and HDI homopolymer (Sen)	—	0.02	—	0.07
n-Butyl acetate	50	270	100	541
1-Methoxy-2-propyl acetate	50	274	100	548
Xylene (Sk)	80	350	150	655

Workplace Exposure Limits (WEL) applying from 1 December 2026.

Sen = sensitiser. Sk = skin absorption may contribute significantly to exposure. Sensitised people may react below these levels — keep all exposure as low as practicable. No biological limits allocated.

Engineering Controls: Provide adequate ventilation; use local exhaust ventilation wherever mist or vapour is generated, and exhaust ventilation when spraying. Do not enter confined spaces where vapour may have collected.

Eye Protection: Safety goggles or face shield.

Skin Protection: Solvent-resistant gloves — nitrile for longer contact; PVC or neoprene for incidental splashes. Apron, boots or chemical-resistant suit depending on the task.

Respiratory Protection: Required during spraying and in poorly ventilated areas. A supplied-air respirator is recommended for spraying isocyanate-containing products; otherwise use a respirator with a combined organic vapour (boiling point >65°C) and particulate filter complying with AS/NZS 1715 and 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	VALUE	PROPERTY	VALUE
Appearance	Clear mobile liquid	Density @ 20°C	~1.05 kg/L
Odour	Solvent	Flash Point	~26°C (closed cup)
pH	Not applicable	Initial Boiling Point	>120°C
Solubility	Reacts with water	Vapour Pressure	Not available
Vapour Density (air = 1)	~3.5	Explosive Limits	LEL 1.2% / UEL 8.0%
Autoignition Temp	~460°C	Volatiles (by weight)	~34%

10. STABILITY AND REACTIVITY

Stability / Reactivity: Stable under normal conditions. Reacts exothermically with amines and alcohols, and slowly with water forming carbon dioxide — closed containers may burst.

Avoid / Incompatible: Heat, ignition sources and moisture; water, alcohols, amines, acids and strong oxidising agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapours and traces of hydrogen cyanide.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Harmful if inhaled (assessed from components). LD₅₀ oral (rat) >5,000 mg/kg; inhalation and dermal values not determined.

Irritation: High vapour levels irritate the eyes, nose, throat and airways. Not a skin or eye irritant in animal tests (OECD 404/405).

Sensitisation: Skin sensitiser (guinea pig maximisation test). Respiratory sensitisation not seen in animal studies, but delayed hypersensitivity (coughing, difficult breathing, asthma) is possible; sensitised people may react to very low isocyanate levels, and skin contact may contribute to respiratory sensitisation.

Other Effects: Repeated large dermal or inhalation exposures may affect certain organs. No suspicion of mutagenicity; no reliable carcinogenicity or reproductive data. Solvents may cause drowsiness or dizziness at high concentrations.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Assessed from components: fish LC₅₀ (96 h), Daphnia EC₅₀ (48 h) and algae EC₅₀ (72 h) all >100 mg/L; bacteria EC₂₀ (3 h) >150 mg/L.

Persistence / Bioaccumulation: Not readily biodegradable but well removed in treatment plants. Bioaccumulation not expected. Reacts with water to form carbon dioxide and inert, insoluble polyurea.

13. DISPOSAL CONSIDERATIONS

Do not pour down drains. Dispose of unwanted product through a licensed chemical waste service; do not seal containers of water-contaminated product. Dry out empty containers in a ventilated area, then recycle steel. Follow local regulations.

14. TRANSPORT INFORMATION

UN Number / Proper Shipping Name	1263 PAINT
Class / Subsidiary Risk / Packing Group	3 (Flammable Liquid) / None / III
Hazchem Code	•3Y

Notes: Dangerous Goods for road and rail (ADG); check IMDG/IATA before sea or air shipment. Do not load with Class 1, 2.1 (bulk), 2.3, 4.2, 5.1, 5.2 or 7 goods, unless exemptions apply.

15. REGULATORY INFORMATION

Classification: Hazardous chemical (Safe Work Australia). **Poison Schedule:** S6. Poison (SUSMP). **Inventory:** All components listed on or exempt from the AIIC.

16. OTHER INFORMATION

Reason for Issue: September 2026 — hazard data reviewed; no hazard changes. Reformatted to current Endrust format; contact details and P-statements (GHS 7) updated. Exposure limits updated to the Safe Work Australia Workplace Exposure Limits applying from 1 December 2026.

Read together with the Part A SDS. Contact Endrust Australia for further information.

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