



PUR1 POLYUREA GROUTING FLUID

MATERIAL SAFETY DATA SHEET

LAST REVISED: 2 SEPTEMBER 2026

SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Product Identifier: Polyurea Coating / Spray Elastomer (100% Solid)
Product Code: PUR1
Recommended Use: High-performance protective grout & coating for concrete, steel linings

Company:
Warrior Pte Ltd
Contact address:
17 Marsiling Industrial Estate Road 1 #01-11
Singapore 739279
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HAZARD IDENTIFICATION

GHS Classification:

Resin Blend: Liquid
Causes serious eye irritation. May cause respiratory irritation.

GHS Label Elements:

Hazard Pictograms: (Health Hazard), (Irritant), (Environment)



Signal Word: Danger

FIRST-AID MEASURES

Inhalation

- Remove to fresh air. If breathing is difficult, administer oxygen.
- If not breathing, give artificial respiration. Seek immediate medical attention.

Skin Contact

- Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water.
- Do not use solvents or thinners. Contaminated clothing must be cleaned before reuse.

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Eye Contact

Immediately flush eyes with plenty of water for at least 15-20 minutes, holding eyelids open. Seek immediate medical attention.

Ingestion

- Do NOT induce vomiting. Rinse mouth with water. Seek immediate medical attention.
- Never give anything by mouth to an unconscious person.

FIRE-FIGHTING MEASURES

Extinguishing Media

Use dry chemical, CO₂, foam, or water fog.

Special Hazards

Combustion may produce toxic fumes including carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen cyanide.

Firefighting Instructions

Wear self-contained breathing apparatus (SCBA) and full protective gear.

ACCIDENTAL RELEASE MEASURES

Personal Precautions

Evacuate area. Wear appropriate PPE (see Section 8). Ensure adequate ventilation.

Containment Methods

- Let the material cure in place, scrap up the semi-cure resin.
- Contain spill with inert absorbent material (e.g., sand, vermiculite).
- Prevent entry into sewers, waterways, or soil.

Cleanup Methods

- Collect spilled material in a labelled, sealed container for disposal.
- Do not allow material to cure in a confined space without ventilation.

HANDLING AND STORAGE

Handling

- Do not eat, drink, or smoke in areas where this material is handled.
- Use grounding/bonding procedures to prevent static discharge.

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Storage

- Store in a cool, dry, well-ventilated place.
- Keep containers tightly closed when not in use.
- Store away from heat, sparks, and open flame.
- Keep separate from water, alcohols, and amines.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment (PPE)

Respiratory Protection

Use a NIOSH-approved supplied-air respirator (SAR) or powered air-purifying respirator (PAPR) with an appropriate organic vapor/particulate cartridge when ventilation is inadequate or during spray application.

Eye/Face Protection

Chemical splash goggles or a full-face shield.

Skin Protection

- Wear impermeable gloves (e.g., nitrile, neoprene).
- Wear long-sleeved clothing and protective aprons.
- Use boots to prevent skin contact.

Hygiene Measures

Wash hands thoroughly after handling. Remove contaminated clothing immediately.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grey colour paste.
Odor:	Slight odor.
Boiling Point:	>200°C (392°F)
Flash Point:	93°C Combustible.
Solubility:	Insoluble in water.
Reactivity:	Reacts exothermically with water, alcohols, and amines.

STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Heat, flames, sparks, and moisture.

Incompatible Materials: Strong acids, strong bases, strong oxidizing agents, water, alcohols, and amines.

Hazardous Decomposition Products

Under fire conditions: CO, CO₂, NO_x, HCN.

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TOXICOLOGICAL INFORMATION

Resin Component : Amines can cause severe eye and skin burns.

ECOLOGICAL INFORMATION

- Ecotoxicity: Toxic to aquatic life with long-lasting effects.
- Persistence/Degradability: Not readily biodegradable.
- Mobility: Will sink and form a solid mass in water, causing physical smothering of aquatic life.

DISPOSAL CONSIDERATIONS

Disposal Method

- Dispose of in accordance with all local, regional, national, and international regulations.
- Do not contaminate water sources.
- Cured material may be disposed of as non-hazardous waste in many jurisdictions (confirm locally).
Uncured material is a hazardous waste.

TRANSPORT INFORMATION

Not classified as dangerous goods for transport in many cases when packaged separately. However, always check specific national regulations (DOT, ADR, IATA).

REGULATORY INFORMATION

US OSHA: This product is considered a "Non hazardous chemical"

OTHER INFORMATION

- Any other intended applications should be discussed with the manufacturer.
- If you have any queries relating to this MSDS, its contents or any other product safety related questions, please write to the following e-mail address: war99@singnet.com.sg
- The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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