

# SAFETY DATA SHEET

## 1. Identification of the substance/mixture and of the company

### 1.1 Product identifier

**Product Name:**  
**UPR Pole Repair™ No Flow**  
**UPR-NF (Part B)**

**Product ID numbers:** UPR-NFKIT4, UPR-NFKIT12, UPR-NF6B10;  
UPR-NFXXX (where XXX is the package code.)

### 1.2 Relevant identified uses of the mixture and uses advised against

**Identified uses:** Sealant, wood fill and pole repair, two-part material

**List of advices against:** Not applicable.

### 1.3 Details of the supplier of the safety data sheet

**Supplier/Manufacturer:**

**American Polywater Corporation**  
11222 - 60th Street North  
Stillwater, MN 55082 USA  
Tel: 1-651-430-2270  
Email: sds@polywater.com

**The Energy Network (Aust) Pty Ltd**  
2B/605 Zillmere Road  
ZILLMERE, Queensland 4034, Australia  
(07) 3212 8999  
Email: sales@tengroup.com.au

### 1.4 Emergency telephone numbers

INFOTRAC: +1-352-323-3500  
NPC (National Poison Centre) 0800 764 766 and 0800 Poison

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

**Classification according to USA OSHA 29 CFR 1910.1200 (2012) and Canada HPR (SOR/2015-17; WHMIS 2015).**

Skin Irritation, Cat 2; H315  
Skin Sens, Cat 1, H317  
Eye Irritation, Cat 2A; H319  
Carc, Cat 2, H351  
Target Organ Toxicity (repeated exposure), Cat 2; H373

### 2.2 Label elements

**Contains:** Diethyltoluenediamine (DETD)



**Pictograms:**

**Signal word:** Warning

**Hazard Statements:**

H373 May cause damage to organs through prolonged or repeated inhalative exposure.

**Precautionary Statements:**

P260 Do not breathe dusts or mists.  
P314 Get medical advice/attention if you feel unwell.  
P501 Dispose of contents in accordance with local regulations.

2.3 Other hazards: No information available.

**3. Composition/Information on Ingredients**

<u>Component</u>	<u>CAS #</u>	<u>EC #</u>	<u>Wt. %</u>
Diethyltoluenediamine (DETDA)	68479-98-1	270-877-4	1 - 5

**4. First Aid Measures**

**4.1 Description of first aid measures**

- Eye Contact:** Immediately flush eyes with large quantity of water for 15 minutes. Seek medical attention.
- Skin Contact:** Remove contaminated clothing; flush skin thoroughly with soap and water. If irritation occurs, seek medical attention.
- Inhalation (Breathing):** If irritation of nose or throat develops, move to fresh air. If irritation persists, seek medical attention.
- Ingestion (Swallowing):** If swallowed, get medical attention. Do not induce vomiting. If patient is conscious, wash out mouth with water. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

**4.2 Most important symptoms and effects, both acute and delayed**

No information available.

**4.3 Indication of immediate medical attention and special treatment needed.**

No information available.

**5. Firefighting Measures**

**5.1 Extinguishing media:**

Water Fog, Carbon Dioxide, Dry Chemical or Foam.

**5.2 Special hazards arising from the substance or mixture**

**Hazardous decomposition and by-products:**

Carbon monoxide, carbon dioxide, nitrogen oxides, nitric acid, ammonia, aldehydes, nitrosamine, and silicon dioxide.

**5.3 Advice for firefighters**

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be used to cool fire exposed container to prevent pressure build-up and possible auto-ignition or rupture.

**5.4 Hazchem code**

None allocated.

**6. Accidental Release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Wear full protective clothing, including appropriate respiratory protection.

**6.2 Environmental precautions:**

Prevent from entering waterways.

**6.3 Methods materials for containment and cleaning up:**

Spills expected to be small quantities. Collect excess material with absorbents or wipe with dry towels. Wash with a dilute ammonia solution.

**6.4 Reference to other sections:**

Refer to Sections 4, 5, 8, and 13 for more information.

**7. Handling and Storage**

**7.1 Precautions for safe handling**

Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Wash thoroughly after handling. Wash contaminated clothing before reuse. For industrial or professional use only.

**7.2 Conditions for safe storage, including incompatibilities**

Keep containers dry and away from excessive heat. Keep cartridges capped and sealed. Protect from freezing. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**7.3 Specific end uses**

See technical data sheet on this product for further information.

**8. Exposure Controls / Personal Protection**

**8.1 Control parameters**

**Exposure limits and recommendations:**

Contains no components with established Occupational Exposure Limit (OEL) values.

**8.2 Exposure controls**

**Respiratory protection:**

Use with adequate ventilation to keep vapor concentration below acceptable limits.

**Protective gloves:**

The use of chemically resistant gloves is recommended to prevent skin contact. Suitable materials include neoprene, butyl rubber, Viton, Buna N, and chlorinated polyethylene.

**Eye protection:**

Safety glasses recommended.

**Other protective equipment:**

Use protective cream if skin contact is likely. Remove and wash contaminated clothing before reuse. Discard contaminated shoes.



**9. Physical and Chemical**

**9.1 Information of basic physical and chemical properties**

<b>Appearance:</b>	Light brown liquid
<b>Odor threshold:</b>	Mild amine odor
<b>pH:</b>	Not available
<b>Freezing point:</b>	Not available
<b>Boiling point:</b>	Not available
<b>Flash point:</b>	>360°F / >182°C (PMCC)
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Does not apply
<b>Upper/lower flammability or explosive limits:</b>	Not available
<b>Vapor pressure:</b>	Not available
<b>Vapor density (Air = 1):</b>	>1
<b>Specific gravity (H<sub>2</sub>O = 1):</b>	Not available
<b>Solubility in water:</b>	Slightly soluble
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available

**Decomposition temperature:** Not available

**Viscosity:** Not available

**9.2 Other Information**

**Volatiles (Weight %):** 0%

**VOC Content:** 0 g/l

**10. Stability and Reactivity**

**10.1 Reactivity:**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability:**

Stable

**10.3 Possibility of hazardous reactions:**

Hazardous reactions will not occur under normal transport or storage conditions.

**10.4 Conditions to avoid:**

Avoid freezing, high temperatures, and moisture.

**10.5 Incompatible materials :**

Isocyanates, strong oxidizing agents and strong bases.

**10.6 Hazardous decomposition products:**

Carbon monoxide, carbon dioxide, and nitrous oxides.

**11. Toxicological Information**

**11.1 Information on toxicological effects:**

**Acute toxicity**

**Eye contact:**

Direct eye contact with material or vapors may cause eye irritation.

**Skin contact:**

May cause skin irritation

**Irritation and Sensitization Potential:**

May cause skin sensitization.

**Inhalation (Breathing):**

May cause respiratory irritation.

**Ingestion:**

Harmful if swallowed.

**Toxicity to Animals:**

Diethyltoluenediamine (DETDA): LD<sub>50</sub> (oral rat) 738 mg/kg  
LD<sub>50</sub> (dermal rabbit) >2,000 mg/kg

**Aspiration Hazard:**

No aspiration hazard expected.

**Chronic Exposure:**

**Reproductive Toxicity:** Not available.

**Mutagenicity:** Not available.

**Teratogenicity:** Not available.

**Specific Target Organ**

**Toxicity (STOT)** Not available.

**Toxicologically Synergistic Products:** Not available.

**Carcinogenic Status:** This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components. Contains 4,4'-methylenebis(2-ethylaniline) CAS# 19900-65-3; REACH Annex VI (EU) suspected carcinogen.

**12. Ecological Information**

<b>12.1 Aquatic Toxicity:</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>12.2 Persistence and degradability:</b>	No information available.
<b>12.3 Bioaccumulation potential:</b>	No information available.
<b>12.4 Mobility in soil:</b>	No information available.
<b>12.5 Results of PBT and vPvB Assessment:</b>	This product is not, nor does it contain a substance that is a PBT or vPvB.
<b>12.6 Other adverse effects:</b>	None known.

**13. Disposal Considerations**

Do not release to the environment. Dispose of product in accordance with National and Local Regulations.

**14. Transport Information**

<b>UN Number:</b>	Not Listed
<b>UN Proper shipping name:</b>	Not Applicable
<b>Transport hazard class(es):</b>	Not Applicable
<b>Packing group:</b>	Not Applicable
<b>Environmental hazards:</b>	None known
<b>Special precautions:</b>	None known
<b>TDG:</b>	Not Regulated
<b>ICAO/IATA-DGR:</b>	Not Regulated
<b>IMDG:</b>	Not Regulated
<b>ADR/RID:</b>	Not Regulated

**15. Regulatory Information**

**15.1.1. NZ-Regulations**

All chemical substances in this product are listed in the New Zealand Inventory of Chemicals (NZIoC) or are exempt

This substance is to be managed using the conditions specified in an applicable Group Standard

**HSR Number**

HSR002646 Polymers (Toxic, 6.7) Group Standard 2006

**15.1.2. EU-regulations**

- Contains REACH substances with Annex XVII restrictions:
  - 56 REACH: Persons already sensitized to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used. Pregnant women should absolutely avoid inhalation and skin contact.
- Contains no substance on the REACH candidate list
- Contains no REACH Annex XIV substances

**15.1.3. Australian-regulations**

All components are listed on the AICS.

Product is classified as hazardous according to criteria of NOHSC Australia.

#### 15.1.4. International-regulations

All chemical substances in this product are listed as “Active” in the US EPA (Environmental Protection Agency) “TSCA Inventory Notification (Active-Inactive) Requirements Rule” (“the Final Rule”). as of Feb. 2019 or are otherwise exempt.

#### 15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for the mixture by the supplier.

### 16. Other Information

#### Abbreviations and acronyms:

OSHA = Occupational Safety and Health Administration

CLP = Classification, Labeling and Packaging Regulation

STOT = Specific Target Organ Toxicity

LD<sub>50</sub> = Median Lethal Dose

DNEL = Derived No Effect Level

ACGIH = American Conference of Governmental Industrial Hygienists

TSCA = Toxic Substances Control Act (USA)

DSL = Domestic Substances List (Canada)

AICS = Australian Inventory of Chemical Substances

**Revision Date:** February 9, 2024  
**Revision Number:** 7 AU  
**Supersedes:** March 14, 2022  
**Other:** Updated Version with New Zealand (NZ) Information  
**Indication of Changes:** Section 8; added PPE pictograms.

Written in accordance with the provisions of OSHA 1910.1200 App D (2012) and Canada HPR (SOR/2015-17) (WHMIS 2015). (GHS format)

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.