

# U-POL™

## SAFETY DATA SHEET

TIGERSEAL

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Revision No: 8

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** TIGERSEAL

**Synonyms:** TIG/B, TIG/G, TIG/W

**Use of substance / preparation:** POLYURETHANE SEALANT

**Company name:** U-Pol Products

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### 2. HAZARDS IDENTIFICATION

**Main hazards:** May cause sensitisation by inhalation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** XYLENE 1-10%

EINECS: 215-535-7 CAS: 1330-20-7

[-] R10; [Xn] R20/21; [Xi] R38

- DIPHENYLMETHANE-4,4'-DI-ISOCYANATE <1%

EINECS: 202-966-0 CAS: 101-68-8

[Xn] R20; [Xi] R36/37/38; [Sens.] R42/43

- ETHYLBENZENE 1-10%

EINECS: 202-849-4 CAS: 100-41-4

[F] R11; [Xn] R20

- LOW BOILING POINT NAPHTHA - DISTILLATES (PETROLEUM), LIGHT STRAIGHT-RUN

[cont...]

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GASOLINE FRACTIONATION STABI 1-10%

EINECS: 272-931-2 CAS: 68921-08-4

[F+] R12; [Xi] R38; [N] R51/53; [Xn] R65

**4. FIRST AID MEASURES (SYMPTOMS)**

- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be irritation and pain.
- Ingestion:** There may be soreness and redness of the mouth and throat.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**4. FIRST AID MEASURES (ACTION)**

- Skin contact:** Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Transfer to hospital as soon as possible.

**5. FIRE-FIGHTING MEASURES**

- Extinguishing media:** Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.
- Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.
- Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions:** Refer to section 8 of SDS for personal protection details.
- Environmental precautions:** Do not discharge into drains or rivers.
- Clean-up procedures:** Absorb into dry earth or sand. Mix with sand or vermiculite.

**7. HANDLING AND STORAGE**

- Handling requirements:** Ensure there is sufficient ventilation of the area.
- Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.
- Suitable packaging:** Must only be kept in original packaging.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Workplace exposure limits**

- WEL (8 hr exposure limit):** 50 ppm
- WEL (15 min exposure limit):** 100 ppm

**Hazardous ingredients:** XYLENEWEL (8 hr exposure limit): 220 mg/m<sup>3</sup> WEL (15 min exposure limit): 441 mg/m<sup>3</sup>

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- DIPHENYLMETHANE-4,4'-DI-ISOCYANATE  
WEL (8 hr exposure limit): 0.02 mg/m<sup>3</sup> WEL (15 min exposure limit): 0.07 mg/m<sup>3</sup>
- ETHYLBENZENE  
WEL (8 hr exposure limit): 441 mg/m<sup>3</sup> WEL (15 min exposure limit): 552 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses with side-shields.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Paste

**Colour:** Black, grey or white

**Odour:** Aromatic

**Evaporation rate:** Slow

**Solubility in water:** Insoluble

**Also soluble in:** Most organic solvents.

**Viscosity:** Highly viscous

**Flammability limits %: lower:** 0.6

**upper:** 7.0

**Relative density:** 1.2

**VOC g/l:** 113

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat. Flames. Moist air.

**Materials to avoid:** Water.

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** XYLENE

ORL MUS LD50 2119 mg/kg

ORL RAT LD50 4300 mg/kg

SCU RAT LD50 1700 mg/kg

- DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

ORL MUS LD50 2200 mg/kg

ORL RAT LD50 9200 mg/kg

- ETHYLBENZENE

IPR MUS LD50 2624 µl/kg

ORL RAT LD50 3500 mg/kg

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**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Mobility:** Heavier than water. Insoluble in water.

**Persistence and degradability:** Not biodegradable.

**Bioaccumulative potential:** No data available.

**Other adverse effects:** No data available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal operations:** D5 Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.).

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

**UN no:** -

**Shipping name:** "NOT SUBJECT TO ADR"

**IMDG / IMO**

**UN no:** -

**IATA / ICAO**

**UN no:** -

**15. REGULATORY INFORMATION**

**Hazard symbols:** Harmful.



**Risk phrases:** R42: May cause sensitisation by inhalation.

**Safety phrases:** S22: Do not breathe dust.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

**Precautionary phrases:** Contains isocyanates. See information supplied by the manufacturer.  
Restricted to professional users.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all

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applicable national, international and local regulations or provisions.

US VOC CONVERSION FACTOR 250 g/l = 2.1 lb/gal

### 16. OTHER INFORMATION

**Other information:** This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.  
FOR PROFESSIONAL USE ONLY. Read full instructions before use.  
IMPORTANT: This product contains hazardous materials and therefore appropriate personal protective equipment should always be used.  
Please refer to the label and consult the material safety data sheet for full handling instructions and personal protection information. These are available via your local stockist or via the U-POL website at WWW.U-POL.COM.  
U-POL disclaim any liability where the user does not wear the recommended personal protective equipment.

**Risk phrases used in s.3:** R10: Flammable.  
R20/21: Harmful by inhalation and in contact with skin.  
R38: Irritating to skin.  
R20: Harmful by inhalation.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R42/43: May cause sensitisation by inhalation and skin contact.  
R11: Highly flammable.  
R12: Extremely flammable.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65: Harmful: may cause lung damage if swallowed.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Addition of reducers, hardeners and other additives over and above U-POL's recommendations for use, may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, this company shall not be held liable for any damage resulting from handling or from contact with the above product.