

# U-POL™

## SAFETY DATA SHEET

STRONGHOLD PLASTIC REPAIR ADHESIVE SYSTEM

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

**Product name:** STRONGHOLD PLASTIC REPAIR ADHESIVE SYSTEM

**Product code:** SH 9\*\*\*

**Synonyms:** SH9001, SH9002, SH9011, SH9012, SH9021, SH 9022, SH9031, SH9032, SH9041, SH9042, SH9051, SH9052, SH9061, SH9062, SH9071, SH9072, SH9081, SH9082, SH9091, SH9092, SH9101, SH9102, SH9111, SH9112, SH9151, SH9152.

**Use of substance / preparation:** ADHESIVE CONTAINING ALIPHATIC AMINE AND ISOCYANATE

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### 2. HAZARDS IDENTIFICATION

**Main hazards:** Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation.

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

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES) 30-50%  
CAS: 9016-87-9  
[Xn] R20; [Xi] R36/37/38; [Sens.] R42

[cont...]

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### 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. Nausea and stomach pain may occur.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. There may be a feeling of tightness in the chest with shortness of breath.

### 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. Wash out mouth with water. 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.
- 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:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS.
- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.
- Clean-up procedures:** Absorb into dry earth or sand. Transfer to a suitable container.

### 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):** 0.02 mg/m<sup>3</sup>
- WEL (15 min exposure limit):** 0.07 mg/m<sup>3</sup>
- Respirable dust**
- WEL (8 hr exposure limit):** 1 mg/m<sup>3</sup>
- Hazardous ingredients:** DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)
- WEL (8 hr exposure limit): 0.02 mg/m<sup>3</sup> WEL (15 min exposure limit): 0.07 mg/m<sup>3</sup>

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- 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:** Liquid
- Colour:** Black
- Odour:** Aromatic
- Evaporation rate:** Negligible
- Solubility in water:** Reacts with water.
- Also soluble in:** Most organic solvents.
- Viscosity:** Viscous
- Flash point°C:** >150
- Relative density:** 1.1
- VOC g/l:** 0

### 10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions.
- Conditions to avoid:** Heat.
- Materials to avoid:** Water. Acids. Amines. Alcohols.
- Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### 11. TOXICOLOGICAL INFORMATION

- Hazardous ingredients:** DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)  
ORL RAT LD50 49 gm/kg  
SKN RBT LD50 >9400 mg/kg
- Chronic toxicity:** May cause sensitisation by inhalation.
- Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

### 12. ECOLOGICAL INFORMATION

- Mobility:** Volatile.
- Persistence and degradability:** No data available.
- Bioaccumulative potential:** No data available.
- Other adverse effects:** Toxic to aquatic organisms.

### 13. DISPOSAL CONSIDERATIONS

- Disposal operations:** D10 Incineration on land.
- Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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**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:** R20: Harmful by inhalation.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R42: May cause sensitisation by inhalation.

**Safety phrases:** S23: Do not breathe vapour  
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Precautionary phrases:** Contains isocyanates. See information supplied by the manufacturer.

**Water hazard class:** 2 Classification by VwVwS

**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 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

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U-POL website at [WWW.U-POL.COM](http://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:** R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

R42: May cause sensitisation by inhalation.

**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.