

U-POL™

SAFETY DATA SHEET

GRIP #4 AEROSOL

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Revision No: 3

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

Product name: GRIP #4 AEROSOL

Product code: GRIP/AL

Use of substance / preparation: ADHESION PROMOTER PAINT PRODUCT CONTAINING TOLUENE

Company name: U-Pol Products

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2. HAZARDS IDENTIFICATION

Main hazards: Extremely flammable. Harmful by inhalation.

Other hazards: In use, may form flammable / explosive vapour-air mixture.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: TOLUENE 50-70%

EINECS: 203-625-9 CAS: 108-88-3

[F] R11; [Xi] R38; [Xn] R48/20; [Xn] R63; [Xn] R65; [-] R67

• DIMETHYL ETHER 30-50%

EINECS: 204-065-8 CAS: 115-10-6

[F+] R12

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 redness. The eyes may water profusely.

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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. Exposure may cause coughing or wheezing.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

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. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

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 closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits

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WEL (8 hr exposure limit): 50 ppm**WEL (15 min exposure limit):** 150 ppm**Respirable dust****WEL (8 hr exposure limit):** 1 mg/m³**Hazardous ingredients:** TOLUENEWEL (8 hr exposure limit): 191 mg/m³ WEL (15 min exposure limit): 574 mg/m³

• DIMETHYL ETHER

WEL (8 hr exposure limit): 766 mg/m³ WEL (15 min exposure limit): 958 mg/m³**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.**Respiratory protection:** Gas/vapour filter, type A: organic vapours (EN141).**Hand protection:** Nitrile gloves.**Eye protection:** Safety goggles. Ensure eye bath is to hand.**Skin protection:** Protective clothing with elasticated cuffs and closed neck.**9. PHYSICAL AND CHEMICAL PROPERTIES****State:** Aerosol**Colour:** Pale orange**Odour:** Characteristic odour**Evaporation rate:** Moderate**Oxidising:** Non-oxidising (by EC criteria)**Solubility in water:** Insoluble**Also soluble in:** Most organic solvents.**Flash point°C:** -40**VOC g/l:** 768**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions. Stable at room temperature.**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.**Materials to avoid:** Strong oxidising agents. Strong acids.**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.**11. TOXICOLOGICAL INFORMATION****Hazardous ingredients:** TOLUENE

IVN RAT LD50 1960 mg/kg

ORL MUS LD50 2 gm/kg

ORL RAT LD50 6900 mg/kg

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

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12. ECOLOGICAL INFORMATION**Mobility:** Readily absorbed into soil.**Persistence and degradability:** Biodegradable.**Bioaccumulative potential:** No bioaccumulation potential.**Other adverse effects:** Negligible ecotoxicity.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** D1 Tipping above or underground (e.g. landfill, etc.).

R1 Solvent reclamation/regeneration.

Disposal of packaging: Dispose of as normal industrial waste.**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:** 1950**ADR Class:** 2**Classification code:** 5F**Shipping name:** AEROSOLS**Labelling:** 2.1**IMDG / IMO****UN no:** 1950**Class:** 2**EmS:** F-D,S-U**Marine pollutant:** .**Labelling:** 2.1**IATA / ICAO****UN no:** 1950**Class:** 2**Labelling:** 2.1**15. REGULATORY INFORMATION****Hazard symbols:** Extremely flammable.

Harmful.

**Risk phrases:** R12: Extremely flammable.

R20: Harmful by inhalation.

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Safety phrases: S2: Keep out of the reach of children.
 S16: Keep away from sources of ignition - No smoking.
 S23: Do not breathe vapour/spray
 S38: In case of insufficient ventilation, wear suitable respiratory equipment.

Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
 Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Water hazard class: 1

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 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: R11: Highly flammable.
 R38: Irritating to skin.
 R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
 R63: Possible risk of harm to the unborn child.
 R65: Harmful: may cause lung damage if swallowed.
 R67: Vapours may cause drowsiness and dizziness.
 R12: Extremely flammable.

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

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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.