



## SAFETY DATA SHEET

GEMINI 30

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Issued: 21/03/06

Revision No: 3

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

**Product name:** GEMINI 30

**Use / description of product:** Sealer for porous surfaces.

**Company name:** Unicorn Chemicals Ltd

Unicorn House

Mowbray Drive

Blackpool

Lancashire

FY3 7UN

Tel: 01253 396101

Fax: 01253 302895

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** XYLENE 50-70%

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

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

- 1-METHOXY-2-PROPANOL 1-10%

EINECS: 203-539-1 CAS: 107-98-2

[ - ] R10

### 3. HAZARDS IDENTIFICATION

**Main hazards:** Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.

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

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be irritation and redness at the site of contact. Prolonged or repeated contact may defat the skin leading to dermatitis.

**Eye contact:** There may be irritation and redness. The eyes may water profusely. There may be severe pain.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting and diarrhoea. There may be loss of consciousness. Convulsions may occur.

**Inhalation:** Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness. Convulsions may occur.

### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash skin thoroughly with soap and warm water. Dry skin and apply replenishing cream. Seek medical advice if irritation develops.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

[cont...]

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**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Carbon dioxide. Alcohol resistant foam.

**Exposure hazards:** Flammable. 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:** Eliminate all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using sufficient appropriate absorbent material.

**Clean-up procedures:** Mix with sand or vermiculite. Scrub contaminated surfaces with detergent solution. Retain washings as contaminated waste and transfer to sealed, labelled container for safe disposal.

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Smoking is forbidden.

**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** XYLENE

WEL (8 hr exposure limit): 220 mg/m<sup>3</sup> WEL (15 min exposure limit): 441 mg/m<sup>3</sup> (Sk)

- 1-METHOXY-2-PROPANOL

WEL (8 hr exposure limit): 375 mg/m<sup>3</sup> WEL (15 min exposure limit): 560 mg/m<sup>3</sup> (Sk)

**Engineering measures:** Ensure there is sufficient ventilation of the area. Do not handle in a confined space.

**Respiratory protection:** If Workplace Exposure Limit(s) listed above are exceeded, respiratory protection may be required.

**Hand protection:** Protective gloves. (Sk) noted above means can be absorbed through skin.

**Eye protection:** Safety goggles.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

**9. PHYSICAL AND CHEMICAL PROPERTIES****State:** Liquid**Colour:** Colourless**Odour:** Characteristic odour**Oxidising:** Non-oxidising (by EC criteria)**Solubility in water:** Insoluble**Viscosity:** Slightly viscous.**Boiling point/range°C:** 138**Flammability limits %: lower:** 1.1**upper:** 11.5**Flash point°C:** 24**Autoflammability°C:** >500**Relative density:** 0.89**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions.**Conditions to avoid:** Hot surfaces. Sources of ignition. Flames.**Materials to avoid:** Oxidising agents.**11. TOXICOLOGICAL INFORMATION****Hazardous ingredients:** XYLENE

ORL MUS LD50 2119 mg/kg

ORL RAT LD50 4300 mg/kg

SCU RAT LD50 1700 mg/kg

- 1-METHOXY-2-PROPANOL

IVN RAT LD50 4200 mg/kg

ORL MUS LD50 11700 mg/kg

ORL RAT LDLO 3739 mg/kg

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms. Exposure to high levels of vapour may cause drowsiness, dizziness, nausea, headaches, vomiting.  
Prolonged contact with skin may cause irritation leading to dermatitis in extreme cases.**12. ECOLOGICAL INFORMATION****Mobility:** Insoluble in water.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** Contact Unicorn Chemicals Ltd to arrange disposal.**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:** 1993 **ADR Class:** 3  
**Packing group:** III **Classification code:** F1  
**Shipping name:** FLAMMABLE LIQUID, N.O.S. (XYLENE)  
**Labelling:** 3 **Hazard ID no:** 33

**IMDG / IMO**

**UN no:** 1993 **Class:** 3  
**Packing group:** III **EmS:** F-E,S-E\*  
**Marine pollutant:** . **Labelling:** 3

**IATA / ICAO**

**UN no:** 1993 **Class:** 3  
**Packing group:** III **Packing instructions:** 309(P&CA); 310(CAO)  
**Labelling:** 3

**15. REGULATORY INFORMATION**

**Hazard symbols:** Harmful.



**Risk phrases:** R10: Flammable.  
R20/21: Harmful by inhalation and in contact with skin.  
R38: Irritating to skin.

**Safety phrases:** S2: Keep out of the reach of children.  
S23: Do not breathe vapour/spray.  
S24: Avoid contact with skin.  
S36/37: Wear suitable protective clothing and gloves.  
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**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.

## 16. OTHER INFORMATION

**Other information:** This product belongs to Hazard Groups B and S under the HSE COSHH Essentials guidelines (Publication HSG193).

Always use in accordance with manufacturer's directions.

This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.

**Risk phrases used in s.2:** R10: Flammable.

R20/21: Harmful by inhalation and in contact with skin.

R38: Irritating to skin.

**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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.