

# U-POL™

## SAFETY DATA SHEET

CLEAR 1 AEROSOL

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

**Product name:** CLEAR 1 AEROSOL

**Product code:** CLEAR/AL

**Use / description of product:** PAINT PRODUCT CONTAINING MIXTURE OF SOLVENTS

**Company name:** U-Pol Products

Denington Industrial Estate

Denington Road

Wellingborough

Northants

NN8 2QP

United Kingdom

Tel: 44-(0)-1933 230300

Fax: 44-(0)-1933 230351

Emergency tel: 44-(0)-1933 230310

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** DIMETHYL ETHER 30-50%

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

[F+] R12

- CYCLOHEXANONE 1-10%

EINECS: 203-631-1 CAS: 108-94-1

[-] R10; [Xn] R20

- N-BUTYL ACETATE 1-10%

EINECS: 204-658-1 CAS: 123-86-4

[-] R10; [Xi] R66; [-] R67

- XYLENE 1-10%

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

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

- ETHYL METHYL KETONE 10-30%

[cont...]

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EINECS: 201-159-0 CAS: 78-93-3

[F] R11; [Xi] R36; [Xi] R66; [-] R67

- 4-METHYLPENTAN-2-ONE 1-10%

EINECS: 203-550-1 CAS: 108-10-1

[F] R11; [Xn] R20; [Xi] R36/37; [Xi] R66

**3. HAZARDS IDENTIFICATION****Main hazards:** Extremely flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.**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.**Eye contact:** There may be irritation and redness. The eyes may water profusely.**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.

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**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**

**WEL (8 hr exposure limit):** 10 ppm

**WEL (15 min exposure limit):** 20 ppm

**Respirable dust**

**WEL (8 hr exposure limit):** 1 mg/m<sup>3</sup>

**Hazardous ingredients:** DIMETHYL ETHER

TWA 766 mg/m<sup>3</sup> STEL 958 mg/m<sup>3</sup>

## • CYCLOHEXANONE

TWA 10 ppm STEL 20 ppm

## • N-BUTYL ACETATE

TWA 724 mg/m<sup>3</sup> STEL 966 mg/m<sup>3</sup>

## • XYLENE

TWA 220 mg/m<sup>3</sup> STEL 441 mg/m<sup>3</sup>

## • ETHYL METHYL KETONE

TWA 600 mg/m<sup>3</sup> STEL 899 mg/m<sup>3</sup>

## • 4-METHYLPENTAN-2-ONE

TWA 208 mg/m<sup>3</sup> STEL 416 mg/m<sup>3</sup>

**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:** Colourless

**Odour:** Characteristic odour

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**Evaporation rate:** Moderate**Oxidising:** Non-oxidising (by EC criteria)**Solubility in water:** Slightly soluble**Also soluble in:** Most organic solvents.**Flammability limits %: lower:** 0.8**upper:** 9.0**Flash point°C:** -40**Autoflammability°C:** >250**VOC g/l:** 710**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:** CYCLOHEXANONE

ORL MUS LD50 1400 mg/kg

ORL RAT LD50 1620 µl/kg

SCU RAT LD50 2170 mg/kg

## • N-BUTYL ACETATE

ORL MUS LD50 6 gm/kg

ORL RAT LD50 10768 mg/kg

## • XYLENE

ORL MUS LD50 2119 mg/kg

ORL RAT LD50 4300 mg/kg

SCU RAT LD50 1700 mg/kg

## • 4-METHYLPENTAN-2-ONE

IPR RAT LD50 400 mg/kg

ORL MUS LD50 1900 mg/kg

ORL RAT LD50 2080 mg/kg

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.**12. ECOLOGICAL INFORMATION****Mobility:** Readily absorbed into soil.**Persistence and degradability:** Biodegradable.**Bioaccumulative potential:** No bioaccumulation potential.**Other adverse effects:** Negligible ecotoxicity.

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**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.  
Irritant.



**Risk phrases:** R12: Extremely flammable.  
R36: Irritating to eyes.  
R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:** S23: Do not breathe vapour/spray  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S38: In case of insufficient ventilation, wear suitable respiratory equipment.

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**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.

**VbF:** AII

**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.

### 16. OTHER INFORMATION

**Other information:** This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.

**Risk phrases used in s.2:** R12: Extremely flammable.

R10: Flammable.

R20: Harmful by inhalation.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

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

R38: Irritating to skin.

R11: Highly flammable.

R36: Irritating to eyes.

R36/37: Irritating to eyes and respiratory system.

**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.