

U-POL™

SAFETY DATA SHEET

1K SYSTEM 20 ACRYLIC SMART CLEAR

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Issued: 28/04/2004

Revision No: 2

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

Product name: 1K SYSTEM 20 ACRYLIC SMART CLEAR

Product code: S2085

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

Company name: U-Pol Products

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2. COMPOSITION / INFORMATION ON INGREDIENTS

- Hazardous ingredients:** N-BUTYL ACETATE 10-30%
EINECS: 204-658-1 CAS: 123-86-4
[-] R10; [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
 - XYLENE 1-10%
EINECS: 215-535-7 CAS: 1330-20-7
[-] R10; [Xn] R20/21; [Xi] R38
 - CYCLOHEXANONE 10-30%
EINECS: 203-631-1 CAS: 108-94-1
[-] R10; [Xn] R20
 - ETHYL METHYL KETONE 10-30%
EINECS: 201-159-0 CAS: 78-93-3
[F] R11; [Xi] R36; [Xi] R66; [-] R67

3. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Harmful by inhalation. Irritating to eyes. Repeated exposure may cause skin dryness or cracking.

Other hazards: Harmful: may cause lung damage if swallowed.

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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. Drowsiness or mental confusion may occur.

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.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Dry chemical powder. Alcohol or polymer foam. Do not use water.

Exposure hazards: Flammable. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Protection of fire-fighters: Wear self-contained breathing apparatus.

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. Contain the spillage using bunding. Alert the neighbourhood to the presence of fumes or gas.

Clean-up procedures: Absorb into dry earth or sand. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden.

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

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: N-BUTYL ACETATE

TWA (8 hr exposure limit): 724 mg/m³ STEL (15 min exposure limit): 966 mg/m³ (OES)

- 4-METHYLPENTAN-2-ONE

TWA (8 hr exposure limit): 208 mg/m³ STEL (15 min exposure limit): 416 mg/m³ (OES)

- XYLENE

TWA (8 hr exposure limit): 220 mg/m³ STEL (15 min exposure limit): 441 mg/m³ (OES)

- CYCLOHEXANONE

TWA (8 hr exposure limit): 10 ppm STEL (15 min exposure limit): 20 ppm (OES)

- ETHYL METHYL KETONE

TWA (8 hr exposure limit): 600 mg/m³ STEL (15 min exposure limit): 899 mg/m³ (OES)

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- Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
- Respiratory protection:** Compressed airline breathing apparatus (EN139).
- Hand protection:** Nitrile gloves.
- Eye protection:** Face-shield.
- Skin protection:** Protective clothing with elasticated cuffs and closed neck.

9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
- Colour:** Colourless
- Odour:** Aromatic
- Evaporation rate:** Moderate
- Solubility in water:** Insoluble
- Also soluble in:** Most organic solvents.
- Viscosity:** Viscous
- Viscosity value:** 6000cps
- Flammability limits %:** lower: 1.8
upper: 11.5
- Flash point°C:** 14
- Autoflammability°C:** 515
- Relative density:** 1.6
- VOC g/l:** 520

10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions.
- Conditions to avoid:** Direct sunlight. Heat. Sources of ignition. Flames.
- Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

- Hazardous ingredients:** N-BUTYL ACETATE
- ORL MUS LD50 6 gm/kg
 - ORL RAT LD50 10768 mg/kg
 - 4-METHYLPENTAN-2-ONE
 - IPR RAT LD50 400 mg/kg
 - ORL MUS LD50 1900 mg/kg
 - ORL RAT LD50 2080 mg/kg
 - XYLENE
 - ORL MUS LD50 2119 mg/kg
 - ORL RAT LD50 4300 mg/kg
 - SCU RAT LD50 1700 mg/kg

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- CYCLOHEXANONE
ORL MUS LD50 1400 mg/kg
ORL RAT LD50 1620 µl/kg
SCU RAT LD50 2170 mg/kg

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

12. ECOLOGICAL INFORMATION

Mobility: Volatile. Heavier than water.

Persistence and degradability: Not biodegradable.

Bioaccumulative potential: No data available.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal operations: D10 Incineration on land.
R1 Solvent reclamation/regeneration.

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: 1263	ADR Class: 3
Packing group: III	Classification code: F1
Shipping name: PAINT RELATED MATERIAL	
Labelling: 3	Hazard ID no: 30

**IMDG / IMO**

UN no: 1263	Class: 3
Packing group: III	EmS: F-E,S-E
Marine pollutant: .	Labelling: 3

IATA / ICAO

UN no: 1263	Class: 3
Packing group: III	Packing instructions: 309(P&CA); 310(CAO)
Labelling: 3	

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.
Harmful.

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Risk phrases: R11: Highly flammable.
R20: Harmful by inhalation.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.

Safety phrases: S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe vapour/spray
S36/37: Wear suitable protective clothing and gloves.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.

VbF: All

Water hazard class: 1 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.

16. OTHER INFORMATION

Risk phrases used in s.2: R10: Flammable.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.
R11: Highly flammable.
R20: Harmful by inhalation.
R36/37: Irritating to eyes and respiratory system.
R20/21: Harmful by inhalation and in contact with skin.
R38: Irritating to skin.
R36: Irritating to eyes.

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.