

# U-POL™

## SAFETY DATA SHEET

2K SYSTEM 20 SCRATCH RESISTANT HS CLEARCOAT

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

**Product name:** 2K SYSTEM 20 SCRATCH RESISTANT HS CLEARCOAT

**Product code:** S2081SR

**Use of substance / preparation:** PAINT PRODUCT CONTAINING MIXTURE OF SOLVENTS

**Company name:** U-Pol Products

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### 2. HAZARDS IDENTIFICATION

**Main hazards:** Flammable. Harmful by inhalation and in contact with skin. Irritating to skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** XYLENE 10-30%

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

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

- N-BUTYL ACETATE 1-10%

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

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

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

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

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

[cont...]

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- 2-METHOXY-1-METHYLETHYL ACETATE 1-10%  
EINECS: 203-603-9 CAS: 108-65-6  
[-] R10; [Xi] R36
- LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM),  
LIGHT AROM. 1-10%  
EINECS: 265-199-0 CAS: 64742-95-6  
[-] R10; [Xi] R37; [N] R51/53; [Xn] R65

### 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.
- 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****Workplace exposure limits****WEL (8 hr TWA):** 50 ppm**WEL (15 min STEL):** 100 ppm**Respirable dust****WEL (8 hr TWA):** 1 mg/m<sup>3</sup>**Hazardous ingredients:** XYLENEWEL (8 hr TWA): 220 mg/m<sup>3</sup> WEL (15 min STEL): 441 mg/m<sup>3</sup>

- N-BUTYL ACETATE

WEL (8 hr TWA): 724 mg/m<sup>3</sup> WEL (15 min STEL): 966 mg/m<sup>3</sup>

- 4-METHYLPENTAN-2-ONE

WEL (8 hr TWA): 208 mg/m<sup>3</sup> WEL (15 min STEL): 416 mg/m<sup>3</sup>

- 2-METHOXY-1-METHYLETHYL ACETATE

WEL (8 hr TWA): 274 mg/m<sup>3</sup> WEL (15 min STEL): 548 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:** 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**Oxidising:** Non-oxidising (by EC criteria)**Solubility in water:** Insoluble**Also soluble in:** Most organic solvents.**Viscosity:** Viscous**Viscosity value:** 40 secs**Viscosity test method:** DIN 4 Cup 20C**Flammability limits %: lower:** 1.0**upper:** 6.6**Flash point°C:** 24**Autoflammability°C:** 490**Relative density:** 0.96

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:** XYLENE

ORL MUS LD50 2119 mg/kg

ORL RAT LD50 4300 mg/kg

SCU RAT LD50 1700 mg/kg

## • 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

## • 2-METHOXY-1-METHYLETHYL ACETATE

IPR MUS LD50 750 mg/kg

ORL RAT LD50 8532 mg/kg

• LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM),  
LIGHT AROM.

ORL RAT LD50 8400 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:** Harmful.



**Risk phrases:** R10: Flammable.  
R20/21: Harmful by inhalation and in contact with skin.  
R38: Irritating to skin.  
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**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.

**Precautionary phrases:** Restricted to professional users.  
XYLENE; LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA  
(PETROLEUM), LIGHT AROM.

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**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

**Other information:** This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.  
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](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:** R10: Flammable.  
R20/21: Harmful by inhalation and in contact with skin.  
R38: Irritating to skin.  
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.  
R36: Irritating to eyes.  
R37: Irritating to respiratory system.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65: Harmful: may cause lung damage if swallowed.

**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.