

U-POL™

SAFETY DATA SHEET 2K SYSTEM 20 ULTRA HS CLEAR COAT

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Revision No: 1

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

Product name: 2K SYSTEM 20 ULTRA HS CLEAR COAT

Product code: S2083EV

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. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other hazards: Harmful in contact with skin. May cause sensitisation by skin contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: N-BUTYL ACETATE 10-30%

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

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

- 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

- XYLENE 10-30%

[cont...]

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

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

- 4-METHYLPENTAN-2-ONE 10-30%

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

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

- HEPTAN-2-ONE 1-10%

EINECS: 203-767-1 CAS: 110-43-0

[-] R10; [Xn] R20/22

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.

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.

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. 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.

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. Avoid all incompatible materials in clean-up procedure - see section 10 of SDS.

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.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Workplace exposure limits****WEL (8 hr exposure limit):** 50 ppm**WEL (15 min exposure limit):** 100 ppm**Respirable dust****WEL (8 hr exposure limit):** 10 mg/m³**Hazardous ingredients:** N-BUTYL ACETATEWEL (8 hr exposure limit): 724 mg/m³ WEL (15 min exposure limit): 966 mg/m³

• XYLENE

WEL (8 hr exposure limit): 220 mg/m³ WEL (15 min exposure limit): 441 mg/m³

• 4-METHYLPENTAN-2-ONE

WEL (8 hr exposure limit): 208 mg/m³ WEL (15 min exposure limit): 416 mg/m³

• HEPTAN-2-ONE

WEL (8 hr exposure limit): 237 mg/m³ WEL (15 min exposure limit): 475 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:** 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:** 20 sec**Viscosity test method:** Flow time in seconds in a 3 mm ISO cup (ISO 2431)**Flammability limits %: lower:** 1.0**upper:** 6.6**Flash point°C:** 23**Autoflammability°C:** 490**Relative density:** 0.975**VOC g/l:** 463

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

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

ORL RAT LD50 8400 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

- HEPTAN-2-ONE

IPR RAT LD50 800 mg/kg

ORL MUS LD50 730 mg/kg

ORL RAT LD50 1670 mg/kg

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

12. ECOLOGICAL INFORMATION

Mobility: Volatile. Insoluble in water.

Persistence and degradability: Not biodegradable.

Bioaccumulative potential: No data available.

Other adverse effects: Very toxic to aquatic organisms.

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.
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.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.

Water hazard class: 1

Note: The regulatory information given above only indicates the principal regulations specifically

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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.
U-POL disclaim any liability where the user does not wear the recommended personal protective equipment.

Risk phrases used in s.3: R10: Flammable.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.
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.
R20/21: Harmful by inhalation and in contact with skin.
R38: Irritating to skin.
R11: Highly flammable.
R20: Harmful by inhalation.
R36/37: Irritating to eyes and respiratory system.
R20/22: Harmful by inhalation and 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.