

U-POL™

SAFETY DATA SHEET

2K SYSTEM 20 SOLID GLOSS BLACK EV

Page 1
Issued: 01/12/2007
Revision No: 1

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

Product name: 2K SYSTEM 20 SOLID GLOSS BLACK EV

Product code: S20610EV

Use of substance / preparation: 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

Email: technical@u-pol.com

2. HAZARDS IDENTIFICATION

Main hazards: Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

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

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

[cont...]

SAFETY DATA SHEET

2K SYSTEM 20 SOLID GLOSS BLACK EV

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 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.

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. Consult a doctor.

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.

Clean-up procedures: Absorb into dry earth or sand. Wash the spillage site with large amounts of water. Refer to section 13 of SDS for suitable method of disposal.

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

SAFETY DATA SHEET

2K SYSTEM 20 SOLID GLOSS BLACK EV

Respirable dust**WEL (8 hr exposure limit):** 1 mg/m³**Hazardous ingredients:** N-BUTYL ACETATEWEL (8 hr exposure limit): 724 mg/m³ WEL (15 min exposure limit): 966 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.**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:** Black**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:** 1200 cps**Flammability limits %: lower:** 1.7**upper:** 7.6**Flash point°C:** 24**Autoflammability°C:** 424**Relative density:** 1.4**VOC g/l:** 462

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.**Conditions to avoid:** Heat. Sources of ignition.**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

SAFETY DATA SHEET
2K SYSTEM 20 SOLID GLOSS BLACK EV

- LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.
ORL RAT LD50 8400 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. 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
--------------------	-----------------

SAFETY DATA SHEET
2K SYSTEM 20 SOLID GLOSS BLACK EV**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:** Symbol not required.**Risk phrases:** R10: Flammable.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S3: Keep in a cool place.

S16: Keep away from sources of ignition - No smoking.

S23: Do not breathe vapour/spray

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

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.

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.

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.

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

SAFETY DATA SHEET
2K SYSTEM 20 SOLID GLOSS BLACK EV

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.
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.