

U-POL™

SAFETY DATA SHEET

2K SYSTEM 20 VOC COMPLIANT FAST THINNERS

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Issued: 05/12/2007

Revision No: 5

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

Product name: 2K SYSTEM 20 VOC COMPLIANT FAST THINNERS

Product code: S2048V

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

Company name: U-Pol Products

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2. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Irritating to eyes, respiratory system and skin. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: ACETONE 70-90%

EINECS: 200-662-2 CAS: 67-64-1

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

- 4-CHLORO BENZOTRIFLUORIDE 10-30%

EINECS: 202-681-1 CAS: 98-56-6

[-] R10; [Xi] R36/37/38; [-] R52

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.

[cont...]

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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. Consult a doctor.

5. FIRE-FIGHTING MEASURES

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

Exposure hazards: 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 away from direct sunlight.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits

WEL (8 hr exposure limit): 500 ppm

WEL (15 min exposure limit): 1500 ppm

Hazardous ingredients: ACETONE

WEL (8 hr exposure limit): 1210 mg/m³ WEL (15 min exposure limit): 3620 mg/m³

- 4-CHLORO BENZOTRIFLUORIDE

WEL (8 hr exposure limit): 25 ppm

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:	Colourless
Odour:	Aromatic
Evaporation rate:	Moderate
Solubility in water:	Miscible
Viscosity:	Non-viscous
Boiling point/range°C:	40
Flammability limits %: lower:	2.5
upper:	12.8
Flash point°C:	-18
Autoflammability°C:	465
Relative density:	0.85
VOC g/l:	870

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients:	ACETONE
	IVN RAT LD50 5500 mg/kg
	ORL MUS LD50 3 gm/kg
	ORL RAT LD50 5800 mg/kg
	• 4-CHLORO BENZOTRIFLUORIDE
	IHL MUS LC50 20 mg/l
	IHL RAT LC50 33 mg/l/4hrs
	ORL MUS LD50 11500 mg/kg
	ORL RAT LD50 13000 mg/kg
	SKN RBT LD50 >2000 mg/kg

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

12. ECOLOGICAL INFORMATION

Mobility:	Volatile. Floats on water.
Persistence and degradability:	Only slightly 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: II	Classification code: F1
Shipping name: PAINT RELATED MATERIAL	
Labelling: 3	Hazard ID no: 33

**IMDG / IMO**

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

IATA / ICAO

UN no: 1263	Class: 3
Packing group: II	
Packing instructions: 305(P&CA); 307(CAO)	
Labelling: 3	

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.
Irritant.



Risk phrases: R11: Highly flammable.
R36/37/38: Irritating to eyes, respiratory system and skin.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

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Safety phrases: S3: Keep in a cool place.
S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe vapour/spray
S51: Use only in well-ventilated areas.

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.

Risk phrases used in s.3: R11: Highly flammable.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.
R10: Flammable.
R36/37/38: Irritating to eyes, respiratory system and skin.
R52: Harmful to aquatic organisms.

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.