



SAFETY DATA SHEET

UP2882 2K ACRYLIC UNIVERSAL CLEAR (4:1)

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Issued: 01/12/2008

Revision No: 2

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

Product name: UP2882 2K ACRYLIC UNIVERSAL CLEAR (4:1)

Product code: S2088/G

Use of substance / preparation: PAINT PRODUCT CONTAINING XYLENE, MIXTURE OF ISOMERS

Company name: U-POL US Inc.

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2. HAZARDS IDENTIFICATION

Main hazards: Highly 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 30-50%

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

- 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

[cont...]

- ETHYLBENZENE 1-10%
EINECS: 202-849-4 CAS: 100-41-4
[F] R11; [Xn] R20
- 4-METHYLPENTAN-2-ONE 1-10%
EINECS: 203-550-1 CAS: 108-10-1
[F] R11; [Xn] R20; [Xi] R36/37; [-] R66
- 2-BUTOXYETHYL ACETATE 1-10%
EINECS: 203-933-3 CAS: 112-07-2
[Xn] R20/21
- METHYL ACETATE 1-10%
EINECS: 201-185-2 CAS: 79-20-9
[F] R11; [Xi] R36; [-] R66; [-] R67
- 2-METHOXY-1-METHYLETHYL ACETATE 1-10%
EINECS: 203-603-9 CAS: 108-65-6
[-] R10; [Xi] R36
- ACETONE 1-10%
EINECS: 200-662-2 CAS: 67-64-1
[F] R11; [Xi] R36; [-] R66; [-] R67

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**Workplace exposure limits**

WEL (8 hr TWA): 50 ppm

WEL (15 min STEL): 100 ppm

Respirable dust

WEL (8 hr TWA): 1 mg/m³

Hazardous ingredients: XYLENE

WEL (8 hr TWA): 220 mg/m³ WEL (15 min STEL): 441 mg/m³

- N-BUTYL ACETATE

WEL (8 hr TWA): 724 mg/m³ WEL (15 min STEL): 966 mg/m³

- ETHYLBENZENE

WEL (8 hr TWA): 441 mg/m³ WEL (15 min STEL): 552 mg/m³

- 4-METHYLPENTAN-2-ONE

WEL (8 hr TWA): 208 mg/m³ WEL (15 min STEL): 416 mg/m³

- 2-BUTOXYETHYL ACETATE

WEL (8 hr TWA): 20 ppm WEL (15 min STEL): 50 ppm

- METHYL ACETATE

WEL (8 hr TWA): 616 mg/m³ WEL (15 min STEL): 770 mg/m³

- 2-METHOXY-1-METHYLETHYL ACETATE

WEL (8 hr TWA): 274 mg/m³ WEL (15 min STEL): 548 mg/m³

- ACETONE

WEL (8 hr TWA): 1210 mg/m³ WEL (15 min STEL): 3620 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:** Non-viscous**Viscosity value:** 15 seconds**Viscosity test method:** DIN 4 Cup 20C**Boiling point/range°C:** 40**Flammability limits %: lower:** 1.0**upper:** 6.6**Flash point°C:** -18**Autoflammability°C:** 490**Relative density:** 0.94**VOC g/l:** 553 less water and exempt compounds, 456 Total VOC**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

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

ORL RAT LD50 8400 mg/kg

• ETHYLBENZENE

IPR MUS LD50 2624 µl/kg

ORL RAT LD50 3500 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-BUTOXYETHYL ACETATE
ORL MUS LD50 3200 mg/kg
ORL RAT LD50 2400 mg/kg
- METHYL ACETATE
ORL RAT LD50 >5 gm/kg
SCU RAT LDLO 8 gm/kg
- 2-METHOXY-1-METHYLETHYL ACETATE
IPR MUS LD50 750 mg/kg
ORL RAT LD50 8532 mg/kg
- ACETONE
IVN RAT LD50 5500 mg/kg
ORL MUS LD50 3 gm/kg
ORL RAT LD50 5800 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: 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.
Harmful.



Risk phrases: R11: Highly 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.
S42: During fumigation / spraying wear suitable respiratory equipment.
XYLENE; LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

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 Regulation (EC) No 1907/2006.
CALIFORNIA PROPOSITION 65 - WARNING: This product contains a chemical known to

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the State of California to cause cancer.

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: 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.

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.

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. 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.