

U-POL[®]

SAFETY DATA SHEET

UP2282, UP2282D, UP2282T 1 K SYSTEM 20 NC PRIMER

Page 1

Issued: 01/03/2010

Revision No: 3

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

Product name: UP2282, UP2282D, UP2282T 1 K SYSTEM 20 NC PRIMER

Product code: S2028/G

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

Company name: U-POL US Inc.

630 Selvaggio Drive, Suite 300

Nazareth

PA 18064

USA

Tel: 1-800-340-7824

Fax: 1-800-787-5150

Emergency tel: 1-800-424-9300 (CHEMTREC)

Email: technical@u-pol.com

2. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: N-BUTYL ACETATE 21.300%

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

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

• ACETONE 13.000%

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

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

• TERT-BUTYL ACETATE 9.100%

EINECS: 208-760-7 CAS: 540-88-5

[F] R11; [-] R66

• 2-BUTOXYETHYL ACETATE 4.000%

EINECS: 203-933-3 CAS: 112-07-2

[Xn] R20/21

[cont...]

SAFETY DATA SHEET

UP2282, UP2282D, UP2282T 1 K SYSTEM 20 NC PRIMER

- XYLENE 3.000%
EINECS: 215-535-7 CAS: 1330-20-7
[-] R10; [Xn] R20/21; [Xi] R38
- BUTAN-1-OL 2.000%
EINECS: 200-751-6 CAS: 71-36-3
[-] R10; [Xn] R22; [Xi] R37/38; [Xi] R41; [-] R67
- 2-METHOXY-1-METHYLETHYL ACETATE 1.100%
EINECS: 203-603-9 CAS: 108-65-6
[-] R10

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness.

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. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.

Exposure hazards: Highly flammable. In combustion emits toxic fumes.

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. Eliminate all sources of ignition.

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.

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: N-BUTYL ACETATE

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

- ACETONE

WEL (8 hr TWA): 1210 mg/m³ WEL (15 min STEL): 3620 mg/m³

- TERT-BUTYL ACETATE

WEL (8 hr TWA): 966 mg/m³ WEL (15 min STEL): 1210 mg/m³

- 2-BUTOXYETHYL ACETATE

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

- XYLENE

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

- BUTAN-1-OL

WEL (15 min STEL): 154 mg/m³

- 2-METHOXY-1-METHYLETHYL ACETATE

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

Odour: Aromatic

Evaporation rate: Moderate

SAFETY DATA SHEET

UP2282, UP2282D, UP2282T 1 K SYSTEM 20 NC PRIMER

Oxidising: Non-oxidising (by EC criteria)**Solubility in water:** Insoluble**Also soluble in:** Most organic solvents.**Viscosity:** Non-viscous**Viscosity value:** 120 poise**Boiling point/range°C:** 56**Flammability limits %: lower:** 1.0**upper:** 6.6**Flash point°C:** -20**Autoflammability°C:** 490**Relative density:** 1.2**VOC g/l:** 549 less water and exempt compounds, 385 Total VOC**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions.**Conditions to avoid:** Direct sunlight. 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

• ACETONE

IVN RAT LD50 5500 mg/kg

ORL MUS LD50 3 gm/kg

ORL RAT LD50 5800 mg/kg

• TERT-BUTYL ACETATE

ORL RAT LD50 4100 mg/kg

SKN RBT LD50 >2 gm/kg

• 2-BUTOXYETHYL ACETATE

ORL MUS LD50 3200 mg/kg

ORL RAT LD50 2400 mg/kg

• XYLENE

ORL MUS LD50 2119 mg/kg

ORL RAT LD50 4300 mg/kg

SCU RAT LD50 1700 mg/kg

• BUTAN-1-OL

IVN RAT LD50 310 mg/kg

SAFETY DATA SHEET

UP2282, UP2282D, UP2282T 1 K SYSTEM 20 NC PRIMER

ORL MUS LD50 2680 mg/kg

ORL RAT LD50 790 mg/kg

- 2-METHOXY-1-METHYLETHYL ACETATE

IPR MUS LD50 750 mg/kg

ORL RAT LD50 8532 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:** 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 as normal industrial waste.**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**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: Irritating to eyes.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S3/9: Keep in a cool, well ventilated place.

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

S23: Do not breathe vapour/spray

S36/37: Wear suitable protective clothing and gloves.

Haz. ingredients (label): N-BUTYL ACETATE

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.

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.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

R11: Highly flammable.

SAFETY DATA SHEET

UP2282, UP2282D, UP2282T 1 K SYSTEM 20 NC PRIMER

R36: Irritating to eyes.

R20/21: Harmful by inhalation and in contact with skin.

R38: Irritating to skin.

R22: Harmful if swallowed.

R37/38: Irritating to respiratory system and skin.

R41: Risk of serious damage 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.