



## SAFETY DATA SHEET

UP2282, UP2282T 1 K SYSTEM 20 NC PRIMER

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Revision No: 2

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

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

**Product code:** S2028/G

**Use / description of product:** PAINT PRODUCT CONTAINING NITOCELLULOSE AND A MIXTURE OF SOLVENTS

**Company name:** U-Pol Limited

US Representatives :

Sanders and Associates Inc.,

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Lebanon

NJ 08833

USA

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** XYLENE 10-30%

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

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

- N-BUTYL ACETATE 10-30%

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

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

- ISOBUTYL ACETATE 1-10%

EINECS: 203-745-1 CAS: 110-19-0

[F] R11; [Xi] R66

- PROPAN-2-OL 1-10%

EINECS: 200-661-7 CAS: 67-63-0

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

- 2-METHOXY-1-METHYLETHYL ACETATE 1-10%

EINECS: 203-603-9 CAS: 108-65-6

[-] R10; [Xi] R36

[cont...]

- BUTAN-1-OL 1-10%  
EINECS: 200-751-6 CAS: 71-36-3  
[-] R10; [Xn] R22; [Xi] R37/38; [Xi] R41; [-] R67

### 3. HAZARDS IDENTIFICATION

**Main hazards:** Highly flammable. Harmful by inhalation and in contact with skin. Repeated exposure may cause skin dryness or cracking.

### 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 exposure limit):** 50 ppm

**WEL (15 min exposure limit):** 100 ppm

### Respirable dust

**WEL (8 hr exposure limit):** 1 mg/m<sup>3</sup>

### Hazardous ingredients:

XYLENE  
TWA 220 mg/m<sup>3</sup> STEL 441 mg/m<sup>3</sup>

- N-BUTYL ACETATE

TWA 724 mg/m<sup>3</sup> STEL 966 mg/m<sup>3</sup>

- ISOBUTYL ACETATE

TWA 724 mg/m<sup>3</sup> STEL 903 mg/m<sup>3</sup>

- PROPAN-2-OL

TWA 999 mg/m<sup>3</sup> STEL 1250 mg/m<sup>3</sup>

- 2-METHOXY-1-METHYLETHYL ACETATE

TWA 274 mg/m<sup>3</sup> STEL 822 mg/m<sup>3</sup>

- BUTAN-1-OL

TWA 310 mg/m<sup>3</sup> STEL 154 mg/m<sup>3</sup>

**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

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Insoluble

**Also soluble in:** Most organic solvents.

**Viscosity:** Non-viscous

**Viscosity value:** 120 poise

**Flammability limits %: lower:** 1.0

**upper:** 6.6  
**Flash point°C:** 12  
**Autoflammability°C:** 490  
**Relative density:** 1.2  
**VOC g/l:** 647 (5.43 lb/gal)

**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:** 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
- ISOBUTYL ACETATE  
ORL RAT LD50 13400 mg/kg  
ORL RBT LD50 4763 mg/kg  
SKN RBT LD50 >17400 mg/kg
- PROPAN-2-OL  
IVN RAT LD50 1088 mg/kg  
ORL MUS LD50 3600 mg/kg  
ORL RAT LD50 5045 mg/kg  
SCU MUS LDLO 6 gm/kg
- 2-METHOXY-1-METHYLETHYL ACETATE  
IPR MUS LD50 750 mg/kg  
ORL RAT LD50 8532 mg/kg
- BUTAN-1-OL  
IVN RAT LD50 310 mg/kg  
ORL MUS LD50 2680 mg/kg  
ORL RAT LD50 790 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.

Harmful.



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**Risk phrases:** R11: Highly flammable.  
R20/21: Harmful by inhalation and in contact with skin.  
R66: Repeated exposure may cause skin dryness or cracking.

**Safety phrases:** S3: Keep in a cool place.  
S16: Keep away from sources of ignition - No smoking.  
S23: Do not breathe vapour  
S36/37: Wear suitable protective clothing and gloves.

**VbF:** AII

**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.

## 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](http://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.2:** 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.  
R11: Highly flammable.  
R36: Irritating to eyes.  
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

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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.