

U-POL™

SAFETY DATA SHEET

RAPTOR LINER

Page 1

Issued: 05/12/2007

Revision No: 4

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

Product name: RAPTOR LINER

Synonyms: RLB/1, RLB/S4, RLT/1, RLT/S4

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: 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: ACETONE 10-30%

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

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

- XYLENE 10-30%

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

[cont...]

SAFETY DATA SHEET
RAPTOR LINER

- 2-METHOXY-1-METHYLETHYL ACETATE 1-10%
EINECS: 203-603-9 CAS: 108-65-6
[-] R10; [Xi] R36

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
- Respirable dust**
- WEL (8 hr exposure limit):** 1 mg/m³

SAFETY DATA SHEET
RAPTOR LINER**Hazardous ingredients:** ACETONEWEL (8 hr exposure limit): 1210 mg/m³ WEL (15 min exposure limit): 3620 mg/m³

• XYLENE

WEL (8 hr exposure limit): 220 mg/m³ WEL (15 min exposure limit): 441 mg/m³

• N-BUTYL ACETATE

WEL (8 hr exposure limit): 724 mg/m³ WEL (15 min exposure limit): 966 mg/m³

• 2-METHOXY-1-METHYLETHYL ACETATE

WEL (8 hr exposure limit): 274 mg/m³ WEL (15 min exposure limit): 822 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 or Beige**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:** 85 poise**Boiling point/range°C:** 40**Flammability limits %: lower:** 1.1**upper:** 6.6**Flash point°C:** -18**Autoflammability°C:** 480**Relative density:** 1.05**VOC g/l:** 428**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:** ACETONE

SAFETY DATA SHEET

RAPTOR LINER

- IVN RAT LD50 5500 mg/kg
- ORL MUS LD50 3 gm/kg
- ORL RAT LD50 5800 mg/kg
- 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
- 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: 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



SAFETY DATA SHEET
RAPTOR LINER**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: 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.

Water hazard class: 1

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

SAFETY DATA SHEET

RAPTOR LINER

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.
R20/21: Harmful by inhalation and in contact with skin.
R38: Irritating to skin.

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.