

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

Product name: Sumo PU Liquid
Product code: 03332
Company name: D.I.P.T Group Ltd
Sidney Robinson Business Park
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2. HAZARDS IDENTIFICATION

Health: - Irritating to eyes, respiratory system & skin.
- May cause sensitisation by inhalation and skin contact.
Environment: - Must not be discharged to into drains or rivers.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Composition: - Modified polyurethane polymer

Components	Concentrations	CAS no	Risk Phrases
Diphenylmethane di- isocyanate (isomers & homologues) All components are registered in EINECS	10-30%	9016-87-9	(Xn) R20 (Xi) R36/37/38 (Sensitizer) R42/43

4. FIRST AID MEASURES

Inhalation (choking/coughing): - Remove to fresh air. Consult a doctor if systems persist.
Eyes (soreness/irritation): - Wash with copious amounts of water. Consult a doctor if discomfort persists.
Skin (irritation): - Wash with copious amounts of water & remove all contaminated clothing.
Ingestion (nausea): - Give plenty of water to drink. Do NOT induce vomiting. Consult a doctor immediately.

5. FIRE-FIGHTING MEASURES

Extinguishing media: - Carbon dioxide, dry powder or foam.
Unsuitable extinguishing media: - None
Exposure hazards: - Emits toxic fumes.
Protection of fire-fighters: - Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** - Wear suitable chemical resistant clothing & PPE. When wet, may present serious problems with slipping. Mark out hazardous area.
- Environmental precautions:** - Do not allow the product to enter the drainage system via either surface or ground water.
- Clean-up procedures:** - Absorb spillages with sand, peat, saw dust, granules etc and store waste materials outside. Dispose of as Controlled Waste, see section 13.

7. HANDLING AND STORAGE

- Handling:** - Should be handled in accordance with good industrial safety and hygiene practices. Small amounts of volatile organic compounds may accumulate in the headspace of containers which should be opened in well ventilated surroundings. Avoid direct contact with the substance.
- Storage conditions:** - Store sealed containers at a temperature of between 5°C and 30°C, protect from frost and direct sunlight. Keep container tightly closed.
- Suitable packaging:** - Must only be kept in original packaging

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measures:** - Ensure sufficient ventilation of working area.
- Respiratory Protection:** - AXP3 type face mask required for short term low level exposure. Long term / high level exposure requires a positive pressure air fed respiration system.
- Eye protection:** - Wear goggles (BS2902)
- Skin protection:** - Wear suitable chemical resistant gloves and impermeable overalls
- Occupational Exposure Limits:** - STEL (15 minutes) 0.07 mg/m³
- TWA (8 hour) 0.02 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** - Dark Brown Liquid
- Odour:** - Characteristic
- Oxidising:** - Non-oxidising
- Solubility in water:** - Reacts with water
- Viscosity value:** - 4000-6000 cP @20 °C
- pH Value:** - N/A
- Boiling point °C:** - N/A
- Melting point °C:** - N/A
- Flash point °C:** - > 200 °C
- Autoflammability°C:** - > 400 °C
- Explosive Properties:** - N/A
- Vapour pressure:** - 23 mbar at 20 °C
- Relative density:** - 1.12 g/mL

10. STABILITY AND REACTIVITY

- Stability:** - Stable under normal storage and conditions of use
- Reactivity:** - Reactive to heat, moisture, strong acids and strong bases
- Haz. decomp. products:** - Emits Toxic Fumes

11. TOXICOLOGICAL INFORMATION

- Routes of exposure:** - May cause sensitisation by inhalation or skin contact. May cause difficulty in breathing. Refer to section 4 for first aid measures. Contains diphenylmethane di-isocyanate (isomers & homologues)
- Oral Rat LD50 49 g/Kg, Skin Rabbit LD50 >9400 mg/Kg

12. ECOLOGICAL INFORMATION

- Persistence and degradability:** - Not biodegradable
- Mobility:** - Reacts with water to form a an insoluble polymer.
- Do not discharge in to water system.
- Bioaccumulation:** - Not known
- Ecotoxicity:** - No relevant data available

13. DISPOSAL CONSIDERATIONS

- Disposal operations:** - Dispose of according to local controlled waste regulations
- Disposal Methods:** - Waste should not be discharged directly into drains or sewers.
- Dispose of all waster material and packaging through a specialised disposal company.
- NB:** - Possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

- ADR (transport by road):** - Not Classified
- RID (transport by rail):** - Not Classified
- IMDG (maritime transport):** - Not Classified
- IATA (international air transport):** - Not Classified

15. REGULATORY INFORMATION

Hazard symbols:



Classification: - Carcinogenic Cat. 3, Xn & Xi

Risk Phrases:

- R20 Harmful by inhalation
- R36/37/38 Irritating to eyes, respiratory system & skin
- R40 Limited evidence of a carcinogenic effect
- R42/43 May cause sensitisation by inhalation and skin contact
- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

16. OTHER INFORMATION

Only for professional use as an adhesive product. The information contained in this Safety Data Sheet is based on our current level of knowledge, and relates to the product in the state that it is transported and delivered. It is intended to describe the product with respect to Health and Safety requirements, and is not intended to guarantee any specific property.