

# SAFETY DATA SHEET

## Rubba-Roof Professional

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

Product name	Rubba-Roof Professional 100 Black
Company	Liquid Polymers Ltd. Station House, Station Road Tisbury Salisbury Wiltshire SP3 6JT  info@rubbaroof.co.uk www.rubbaroof.co.uk
Telephone	02380 424 268
Fax	

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients				
	<u>Conc.</u>	<u>CAS</u>	<u>EINECS</u>	<u>Risks</u>
Methylenediphenyl diisocyanate	0.5 - 1%	26447-40-5	247-714-0	Xn;R20-36/37/38-42/43
Diphenyl methane diisocyanate, isomers and homologues	0.5 – 1%	9016-87-9		Xn;R2042/43 Xi;R36/37/38

### 3. HAZARDS IDENTIFICATION

Main hazards	May cause sensitization by inhalation
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### 4. FIRST AID MEASURES

Skin contact	Remove contaminated clothing. In the absence of Alcohol Impregnated Hand Wipes use plenty of soap and water, preferably soap developed to remove adhesive and paint. May cause sensitization by skin contact. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.

Inhalation	Seek medical attention. Move the exposed person to fresh air. If breathing stops, provide artificial respiration.
Ingestion	Wash out mouth with water. Do not induce vomiting. If swallowed, seek medical advice immediately and show this container or label. Never give anything by mouth to an unconscious person.
General information	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Keep the affected person warm and at rest. Remove contaminated clothing. Wash all contaminated clothing before reuse.

#### 5. FIRE FIGHTING MEASURES

Extinguishing media	Carbon dioxide (CO2) Dry chemical. Foam. Use as appropriate.
Fire hazards	Burning produces irritating, toxic and obnoxious fumes. Fire will produce dense black smoke.
Protective equipment	Wear self contained breathing apparatus and protective clothing.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Keep personnel away from spill
Environmental precautions	Do not allow product to enter drains.
Clean up methods	Remove mechanically; cover the remainder with an inert absorbent material eg. sand, sawdust, vermiculite or other chemical absorbing material. After approximately 1 hour transfer the absorbent to a waste container, recover the spillage area if some of the spill remains, repeating until the area is clear. Transfer to suitable, labeled containers for disposal

#### 7. HANDLING AND STORAGE

Handling	Do not breathe gas / fumes / vapour / spray. Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. In all areas where MDI aerosols and/or vapour concentrations are produced, exhaust ventilation must be provided in such a way that the WEL is not exceeded. The air should be drawn away from the personnel handling the product. Respiratory protection is required in insufficiently ventilated working areas. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended.
Storage	Further information on storage conditions, which must be observed to preserve quality, can be found in our product information sheet. Keep containers tightly closed. Keep in a cool, dry, well ventilated area.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Exposure limits</b>		
diphenyl methane diisocyanate, isomers and homologues	WEL 8-hr limit ppm: WEL 15 min limit ppm:	WEL 8-hr limit mg/m <sup>3</sup> : 0.02 WEL 15 min limit mg/m <sup>3</sup> : 0.07
Engineering measures	Ensure adequate ventilation of the working area.	
Occupational exposure controls	Keep away from food, drink and animal feeding stuffs.	
Respiratory protection	Respiratory protection is required in insufficiently ventilated working areas. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended. Suitable half mask respirator with filter P3 (EN 141A1/A2) In case of hypersensitivity of the respiratory tract (e.g. asthmatics and those who suffer from chronic bronchitis) it is inadvisable to work with the product.	
Hand protection	To prevent product from coming into contact with hands chemical resistant gloves must be worn. Butyl rubber - IIR ( ) Fluorinated rubber - FKM ( ) Nitrile rubber - NBR ( ) Polychloroprene - CR ( ) Polyvinyl chloride - PVC ( ) Wash hands after handling the product.	
Eye protection	In case of splashing, wear: Approved safety goggles.	
Protective equipment	Any areas of the body that could come into contact with the product, during normal application of the product or through accidental exposure, should be protected. Experience shows that the arms, face and head can be susceptible to contact due to the nature of applying the product. Assess the particular work activity and the area in which it is taking place to determine if further prevention of contact with the product is required. Overalls, hat/hoods and face shields may need consideration. Adopt best Manual Handling considerations when handling, carrying and dispensing.	

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Description	Black viscous liquid.
Relative density	1.41
Water solubility	Insoluble in water.

**10. STABILITY AND REACTIVITY**

Stability	Stable under normal conditions
Conditions to avoid	Direct sunlight. Do NOT allow to freeze. Heat. Moisture.
Materials to avoid	Alcohols. Amines. Ammonia. Keep away from water. Oxidizing agents. Will not decompose if stored and used as recommended.
Hazardous decomposition products	No hazardous decomposition products when stored and handled correctly.
Hazardous reactions	Exothermic reaction with amines and alcohols; reacts with water forming carbon dioxide gas; in closed containers, risk of bursting due to increase of pressure.

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity	Over exposure, especially when spraying coatings containing isocyanate without the necessary precautions, entails the risk of concentration dependant irritating effects on eyes, nose, throat and respiratory tract. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible. Hypersensitive persons may suffer from these effects even at low isocyanate concentrations, including concentrations below the UK Workplace Exposure Limit (WEL).
Sensitization	May cause sensitization by inhalation and skin contact.

**12. ECOLOGICAL INFORMATION**

Eco toxicity	No data is available on this product.
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**13. DISPOSAL CONSIDERATION**

General information	Dispose of in compliance with all local and national regulations.
Disposal Methods	For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. If the product is in liquid form it will present the hazards detailed in this Safety Data Sheet and therefore it must be disposed of as Hazardous Waste. However cured product, that is product that has reacted and gone completely solid, no longer presents a hazard and can be disposed of as non hazardous waste once the labels have been removed from the container.
Disposal of packaging	The containers should be empty of as much product as possible. Leave the containers uncovered in a well ventilated area overnight to allow the residual product to cure. Once the product is cured it is no longer hazardous. Following the removal of the hazard labels the containers can be disposed of as non-hazardous waste.

**14. TRANSPORT INFORMATION**

ADR/RID	Not classified as hazardous under transport regulations.
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## 15. REGULATORY INFORMATION

Symbols	
Risk phrases	R42/43 - May cause sensitization by inhalation and skin contact.
Safety phrases	S22 - Do not breathe dust. S23 - Do not breathe gas/fumes/vapour/spray. S24 - Avoid contact with skin. S37 - Wear suitable gloves. S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S63 - In case of accident by inhalation: remove casualty to fresh air and keep at rest.

## 16. OTHER INFORMATION

Test of risk phrases in Section 2	R20 - Harmful by inhalation. R36/37/38 - Irritating to eyes, respiratory system and skin. R42/43 - May cause sensitization by inhalation and skin contact.
Further information	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.