

SAFETY DATA SHEET

Rubba-Roof Professional Primer

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name	Rubba Roof Professional 100
Company	Liquid Polymers Ltd Selwood House High Street Tisbury Salsibury Wiltshire SP3 6RY www.rubbaroof.com
Telephone Number	0800 014 8643
Email	contact@rubbaroof.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

	Conc.	CAS	EINECS	Risks
1-methoxy-2-propylacetate	40-50%	108-65-6	203-603-9	203-603-9 R10 Xi;R36
4,4'-Diphenylmethane-diisocyanate	10-20%	9016-87-9		Xn;R20 Xi;R36 Xi;R37 Xi;R38 Xn;R42 Xi;R43

3. HAZARDS IDENTIFICATION

Main Hazards	Flammable Irritating to eyes. May cause sensitization by inhalation and skin contact.
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4. FIRST AID MEASURES

Skin contact	Seek medical attention if irritation or symptoms persist. May cause sensitisation by skin contact. Wash off immediately with plenty of soap and water. Remove contaminated clothing.
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	If swallowed, seek medical advice immediately and show this container or label. Never give anything by mouth to an

	unconscious person.
General information	If breathing is difficult give oxygen. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

5. FIRE FIGHTING METHODS

Extinguishing media	Use as appropriate: carbon dioxide (co2).
Fire hazards	Carbon monoxide, nitrogen oxides, isocyanate vapour and traces of hydrogen cyanide may be formed in fire conditions.
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 wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand). After approximately one hour transfer to waste container and do not seal (evolution of CO2!).

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Exhaust ventilation necessary if product is sprayed. In all areas where MDI aerosols and/or vapour concentrations are produced, exhaust ventilation must be provided in such a way that the MEL is not exceeded. The air should be drawn away from the personnel handling the product.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Further information on storage conditions, which must be observed to preserve quality, can be found in our product information sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

diphenyl methane diisocyanate, isomers and homologues	WEL 8-hr limit ppm: 50 WEL 8-hr limit mg/m3: 274 WEL 15 min limit ppm: 100 WEL 15 min limit mg/m3: 548
Engineering measures	Ensure adequate ventilation of the working area.
Occupational exposure controls	Keep away from food, drink and animal feeding stuffs.
Respiratory protection	Wear suitable respiratory equipment when necessary. An air-

	fed mask is recommended. For short periods of work a combination of charcoal filter and particulate filter is suitable.
Hand protection	Butyl rubber - IIR ($\geq 0.5\text{mm}$). Fluorinated rubber - FKM ($\geq 0.4\text{mm}$). Nitrile rubber - NBR ($\geq 0.35\text{mm}$). Polychloroprene - CR ($\geq 0.5\text{mm}$). Polyvinyl chloride – PVC ($\geq 0.5\text{mm}$). Wash hands after handling the product.
Eye protection	Approved safety goggles.
Protective equipment	Remove contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint	48°C
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10. STABILITY AND REACTIVITY

11. TOXICOLOGICAL INFORMATION

Acute toxicity	ORL RAT LD50 >15000 mg/kg. INH RAT LC50 c.a. 490 mg as aerosol/m ³ , 4h. 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 Maximum Exposure Limit (MEL).
Sensitization	May cause sensitization by inhalation and skin contact.

12. ECOLOGICAL INFORMATION

Eco toxicity	Acute fish toxicity: LC0=>1000 mg/l 96H. Test species: Zebra barbel (Brachydanio rerio). Acute bacteria toxicity: EC50=>1000 mg/l 3H. Tested on activated sludge microorganisms. Acute daphnia toxicity: EC50=>1000 mg/l 24H. Test species: Daphnia magna.
Degradability	Not readily biodegradable.
Further information	The product reacts with water at the interface forming CO ₂ and a solid insoluble product with high melting point (polyurea). This reaction is accelerated by surfactants (e.g. detergents) or by water-soluble solvents.

13. DISPOSAL CONSIDERATION

General information	Dispose of as special waste in compliance with local and national regulations. Can be incinerated if in compliance with
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	local and national regulations.
Fire fighting procedures	For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
Disposal of packaging	Once the product residues adhering to the walls of the containers have been rendered harmless, the product and hazard labels must be invalidated. Containers must be recycled in compliance with national legislation and environmental regulations.

14. TRANSPORT INFORMATION

ADR/RID

UN 1263
 Class 3
Proper Shipping Name PAINT RELATED MATERIAL
 Packing group III
 Hazard ID 33


IMDG

UN 1263
 Class 3
EmS Code F-E S-E
 Packing group III
 Marine pollutant .

IATA

UN 1263
 Class 3
Packing Instruction (Cargo) 310
Packing Instruction (Passenger) 309
 Packing group III
 Subsidiary risk -
 Maximum quantity 220 L
 Maximum quantity 60 L

15. REGULATORY INFORMATION

Symbols	
Risk phrases	R10 - Flammable. R36 - Irritating to eyes. R42/43 - May cause sensitisation by inhalation and skin contact.
Safety phrases	P4 - Contains isocyanates. See information supplied by the manufacturer. 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.
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16. OTHER INFORMATION

Test of risk phrases in Section 2	<p>R10 - Flammable. R20 - Harmful by inhalation. R36 - Irritating to eyes. R37 - Irritating to respiratory system. R38 - Irritating to skin. R42 - May cause sensitization by inhalation. R43 - May cause sensitization by skin contact.</p>
Further information	<p>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. 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. 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.</p>