



SAFETY DATA SHEET

Rubba-Roof Professional

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

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| 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 |
|---|----------|------------|-----------|-----------------------------|
| 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

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| Main Hazards | May cause sensitization by inhalation |
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4. FIRST AID MEASURES

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| 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 |

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| | 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 METHODS

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| 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

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| 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, labelled containers for disposal. |

7. HANDLING AND STORAGE

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| 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

RUBBA-ROOF

Exposure Limits

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| diphenyl methane diisocyanate, isomers and homologues | WEL 8-hr limit ppm: WEL 8-hr limit mg/m ³ : 0.02 WEL 15 min limit ppm: WEL 15 min limit mg/m ³ : 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 unadvisable 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

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

10. STABILITY AND REACTIVITY

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| 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 |

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| | water forming carbon dioxide gas; in closed containers, risk of bursting due to increase of pressure. |
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11. TOXICOLOGICAL INFORMATION

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| 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

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

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| 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

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

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| 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

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| 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. |