

SAFETY DATA SHEET

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

Product name: **Repairite Liquid Rubber Resin.**

Supplier: MMP-International, Division
of ITW Ltd.
Brunel Close, Park Farm
Ind Est,
Wellingborough, Northants,
NN8 6QX

Emergency telephone number: +44 (0) 1933 670870

Fax No: +44 (0) 1933 670800

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation	Formulated product.				
Chemical Name	CAS-No	EEC-No	Class	Weight %	
4,4'- METHYLENEDI(CYCLOHEXYLISOCYANATE)	5124-30-1	615-009- 00-0	T; R23 Xi; R36/37/38 R42/43	1-10	

3. HAZARDS IDENTIFICATION

Most important hazards: Harmful by inhalation.

Specific hazards May cause sensitization by inhalation and skin contact.

4. FIRST AID MEASURES

General advice: Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates. Show this safety data sheet to the doctor in attendance.

Inhalation: Move to fresh air Consult a physician if necessary.

Skin contact: Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes Consult a physician if necessary.

Ingestion: Rinse mouth. Do not induce vomiting. If a person vomits when lying on his back, turn over on his side. Call a physician immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: foam Carbon Dioxide (CO₂), dry chemical,

Extinguishing media which must not be used for safety reasons:
water.

Specific hazards: Cool containers / tanks with water spray.

Special protective equipment for firefighters: In case of fire, wear a self contained breathing apparatus. protective suit.

Specific methods: Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. Wear self-contained breathing apparatus and protective suit

Environmental precautions: Do not let product enter drains. Avoid subsoil penetration.

Methods for cleaning up: Soak up with inert absorbent material, Shovel into a dry metal container.

Product name: **Repairite Liquid Rubber Resin.**

7. HANDLING AND STORAGE

Handling: Open drum carefully as content may be under pressure. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage: Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: National occupational exposure limits (Ref: British COSHH - EH40):

4,4'-METHYLENEDI(CYCLOHEXYLISOCYANATE) no data available

Engineering measures to reduce exposure Ensure adequate ventilation, especially in confined areas..

- **Respiratory protection:** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit
- **Hand protection:** impervious butyl rubber gloves. Neoprene gloves
- **Eye protection:** Wear face-shield and protective suit for abnormal processing problems
- **Skin and body protection:** boots. protective suit

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday. Do not smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid. **Colour:** clear. **Odour:** slight.

pH: (50 g/l H₂O) 7

Boiling point/range: >149. °C

Flash point: >234. °C

Melting point/range: n/d °C

Flammability (solid, gas): Not applicable.

Oxidizing properties: Not applicable.

Vapour pressure: <10 mm Hg (25 °C)

Relative density: - lower 1.04 (25 °C)
(25 °C)

Viscosity: (25 °C) 3500

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to avoid: Keep away from heat and sources of ignition.

Materials to avoid: water, alcohols, amines, strong bases.

Hazardous decomposition products: carbon oxides, nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Irritating to respiratory system and skin.
LD50/dermal/rabbit = >7900mg/kg.

Sensitization: Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

Long term toxicity: Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

12. ECOLOGICAL INFORMATION

Mobility: Do not contaminate water.

Persistence / degradability: Assessment of biological degradability (Closed-Bottle Test): 60 %.

Bioaccumulation: LC50/48h/daphnia = >500mg/l
Acute fish toxicity = 1.2 mg/l

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: In accordance with local and national regulations. Solidify unexposed surplus and dispose of together with processed material as cured plastic waste.

Contaminated packaging: Empty containers can be landfilled after cleaning, when in compliance with local regulations.

European waste Catalogue No: **08 04 99**

14. TRANSPORT INFORMATION

Proper shipping name: Not classified as dangerous in the meaning of transport regulations: UN, ADR/RID, IMO & IATA/ICAO.

15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 93/21/EEC

- Contains: Isocyanates.
- Symbol(s):

R -phrase(s): Harmful by inhalation. R42/43 - May cause sensitization by inhalation and skin contact

S -phrase(s): S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 - After contact with skin, wash immediately with plenty of. S38 - In case of insufficient ventilation, wear suitable respiratory equipment.. S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. OTHER INFORMATION

Recommended use: Adhesives.

Recommended restrictions:

When used in a mixture, read the labels and safety data sheets of all components.

Revision date: 22/02/2002

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication