

## SAFETY DATA SHEET

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

Product name: **Repairite Liquid Rubber Primer P**  
 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

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	0-1
ETHYL ACETATE	141-78-6	607-022- 00-5	F; R11	60-80

## 3. HAZARDS IDENTIFICATION

Most important hazards: Highly flammable.  
 Specific hazards: Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

## 4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance.  
 Inhalation: . 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 and seek medical advice.  
 Ingestion: Do not induce vomiting Call a physician immediately.

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Carbon Dioxide (CO<sub>2</sub>), foam, dry chemical.  
 Extinguishing media which must not be used for safety reasons:  
 High volume water jet.  
 Specific hazards: Burning produces irritant fumes.  
 Special protective equipment for firefighters: In case of fire, wear a self contained breathing apparatus.  
 Specific methods: Cool containers / tanks with water spray. Standard procedure for chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not breath vapours or spray mist  
 Environmental precautions: Do not let product enter drains. Avoid subsoil penetration.  
 Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

## 7. HANDLING AND STORAGE

Handling: Use only in area provided with appropriate exhaust ventilation.  
 Storage: Keep containers tightly closed in a cool, well-ventilated place.

Product name: **Repairite Liquid Rubber  
Primer P**

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

4,4'-METHYLENEDI(CYCLOHEXYLISOCYANATE) 0.01ppm

ETHYL ACETATE 200ppm

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

- Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

- Hand protection: solvent-resistant gloves.

- Eye protection: goggles, safety glasses with side-shields.

- Skin and body protection: protective suit.

Hygiene measures: Keep away from food, drink and animal feeding stuffs.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid. Colour: orange. Odour: solvent.

pH: ( 50 g/l H<sub>2</sub>O) 7 ( 20 °C)

Boiling point/range: 77 °C

Flash point: -4 °C

Flammability (solid, gas): liquid

Explosion limits: - lower 2 vol. % - upper 11 vol. %

Oxidizing properties: Not applicable.

Relative density: - lower 0.91 ( 20 °C)

#### 10. STABILITY AND REACTIVITY

Stability: No decomposition if stored and applied as directed.

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

Materials to avoid: strong oxidizing agents.

Hazardous decomposition products: carbon oxides.

#### 11. TOXICOLOGICAL INFORMATION

Acute toxicity: Ethylacetate LD<sub>50</sub>/oral/rat = 5600mg/kg.  
LD<sub>50</sub>/dermal/rabbit = >20 ml/kg.  
LC<sub>50</sub>/inhalation/4h/rat = 2260ppm.

Local effects: 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.

Repeated or prolonged exposure: An excessive exposure of laboratory animals results in toxic effects on the kidney and the liver.

#### 12. ECOLOGICAL INFORMATION

Mobility: Do not let product enter drains.

Persistence / degradability: Avoid subsoil penetration.

#### 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: In accordance with local and national regulations.

Contaminated packaging: In accordance with local and national regulations.

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

#### 14. TRANSPORT INFORMATION

Proper shipping name: Flammable liquids, n.o.s (Ethyl Acetate)

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UN-No:	1993	HI/UN No:	1993
ADR/RID Class:	3	Packing group :	II
IMO Class:	3	UN/ID No:	1993
Proper shipping name:	Flammable liquids, n.o.s (Ethyl Acetate)		
ICAO Class:	3		
Proper shipping name	Flammable liquids, n.o.s (Ethyl Acetate)		

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#### 15. REGULATORY INFORMATION

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

- Contains: Contains isocyanates. See information supplied by the manufacturer.  
ETHYL ACETATE

- Symbol(s):



Highly  
flammable



Xn

R -phrase(s): R20 - Also harmful by inhalation. R42/43 - May cause sensitization by inhalation and skin contact

S -phrase(s): S16 - Keep away from sources of ignition - No smoking.. S23 - Do not breathe. 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. S29 - Do not empty into drains. S33 - Take precautionary measures against static discharges. 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).

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#### 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: 01/08/2002