

## 3 Part Polyurethane Compound and MDI

### 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY:


PRODUCT NAME: 3 Part Polyurethane MDI Compound  
 SUPPLIER: Sicame UK Ltd  
 Unit 4A, London Medway Commercial Park,  
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### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

Labelled Components

Part A: Resin

INGREDIENTS	CAS No	%(w/w)	Symbol	Hazard Code
1171-102 castor oil	8001-79-4	<55%	N/A	None
1186-144 calcium carbonate	471-34-1	<65%	N/A	None
1186-143 sieve powder	1318-02-1	<3%	 Warning	H315, H317, H332, H334, H335, H373, H320, H360D
1162-140 DBTDL	77-58-7	<0.01%		
1184-203 liquid thixotropic	N/A	<0.5%		

Part B: Hardener

INGREDIENTS	CAS No	%(w/w)	Symbol	Hazard Code
4,4 Diphenylmethane Diisocyanate Isomers and homologues	009016-87-9	100%	 Warning	H315, H317, H332, H334, H335, H373, H320, H351
			 danger	

Part C: Secondary Filler Silica-Sand

**3. HAZARDS IDENTIFICATION:**

Main Health Hazards    Harmful By inhalation  
                                 Irritating to eyes, respiratory system and skin  
                                 May cause sensitisation by inhalation

**4. FIRST AID MEASURES:**

INHALATION:                      Remove to fresh air, keep calm and if recovery is not rapid, seek medical attention

SKIN CONTACT:                      Remove contaminated clothing and wash with plenty of soap and water. Do not use organic solvents

EYE CONTACT:                      Immediate and continual flushing of the eye is essential, Seek Medical attention

INGESTION:                          If large amounts are ingested wash out mouth with clean cold water and seek medical attention.

**5. FIRE FIGHTING MEASURES:**

SUITABLE EXTINGUISHING  
MEDIA:

CO<sub>2</sub>, Water Spray, Foam or Dry Powder.

HAZARDS

Combustion Products include water; oxides of carbon and nitrogen, traces of hydrogen cyanide may also be evolved.

REQUIRE SPECIAL PROTECTIVE EQUIPMENT

FOR FIRE FIGHTERS:

In enclosed spaces wear self-contained breathing apparatus and full protective clothing

**6. ACCIDENTAL RELEASE MEASURES:**

PERSONAL PRECAUTIONS: Do not breathe vapour, avoid ignition sources, and avoid contact with skin, eyes or clothing.

ENVIRONMENTAL  
PRECAUTIONS:

Prevent contamination of soil, drains and surface water.

WORKPLACE  
PRECAUTIONS

Ensure personnel are wearing suitable protective equipment.

METHOD OF CLEANING:

Absorb into damp sand or equivalent and place in suitable closed container for disposal in accordance with local and national regulations

**7. HANDLING AND STORAGE:**

7.1 HANDLING:

Wear plastic gloves if skin irritation occurs

7.2 STORAGE:

Recommended storage temperature between +10 deg. C and +25deg. C.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

No special precautions are necessary, although sensible industrial clothing is recommended.

EXPOSURE CONTROL LIMITS: Isocyanate 0.02 mg.m<sup>-3</sup> 8 hour TWA silca sand 0.08 mg m<sup>-3</sup> 8 hour TWA

RESPIRATORY PROTECTION: Wear dust mask.

HAND PROTECTION: Wear plastic gloves

EYE PROTECTION: Wear safety glasses

SKIN PROTECTION: Wear sensible industrial clothing, wash regularly.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

	BASE	HARDENER	SECONDARY FILLER
APPEARANCE:	Buff Liquid	Brown Liquid	Granular solid
ODOUR:	Typical of a natural vegetable oil	Musty	None
pH:	Not applicable	Not applicable	Not applicable
BOILING POINT RANGE:	Above 300 deg. C	Above 200 deg.C	Not applicable
MELTING POINT RANGE:	Not applicable	Not applicable	Not applicable
FLASH POINT:	Above 200 deg. C (open cup)	Above 220 deg. C (open cup)	Not applicable
FLAMMABILITY:	Not flammable at normal temperatures	Not flammable at normal temperatures	Not applicable
AUTO-FLAMMABILITY:	May auto-ignite above 300 deg C	May auto-ignite over 300 deg C	Not applicable
EXPLOSIVE PROPERTIES:	Not applicable	Not applicable	Not applicable
OXIDISING PROPERTIES:	Not applicable	Not applicable	Not applicable
VAPOUR PRESSURE:	<10 mbar @20C	<0.00001 mbar @20C	Not applicable
RELATIVE DENSITY:	1.4	1.22	2.65
SOLUBILITY IN Water:	Insoluble	Insoluble	Insoluble

**10. STABILITY AND REACTIVITY:**

CONDITIONS TO AVOID: None

MATERIALS TO AVOID: Strong alkalis and acids

**HAZARDOUS DECOMPOSITION**

PRODUCT (S): None when stored and used correctly. At temperatures in excess of 200 C decomposition products may include oxides of nitrogen and carbon.

**11. TOXICOLOGICAL INFORMATION:**

	Base	Hardener
EYE CONTACT:	Possible Irritation	Irritation
SKIN EFFECT:	Possible irritation	Possible irritation and sensitisation
INHALATION:	Irritation unlikely	Possible irritation and sensitisation
INGESTION:	Possible Purgative	Possible gastric Irritation
EXPOSURE LIMITS		0.02 mg per cubic metre, 8 hr TWA 0.07 mg per cubic metre, 15 min STEL

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**12. ECOLOGICAL INFORMATION:**

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Do not allow liquid components to escape into soil watercourses or drains

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**13. DISPOSAL CONSIDERATIONS:**

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Disposal should be in accordance with local, state or national legislation.

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**14. TRANSPORT INFORMATION:**

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Not classified as dangerous for transport

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**15. OTHER INFORMATION:**

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Date of preparation September

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**Please ensure that it is passed unto the appropriate person(s) in your company, who are capable of acting on the information.**