

3 Part Polyurethane Compound

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

PRODUCT NAME: 3 Part Polyurethane Compound
SUPPLIER: W T Henley Limited
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2. COMPOSITION/INFORMATION ON INGREDIENTS:

Labelled Components

INGREDIENTS	CAS No	%(w/w)	Symbol	R Phrases
4,4 Diphenylmethane Diisocyanate Isomers and homologues	009016-87-9	<25	Xn	R20-36/37/38/42
Dibutyl Tin Dilaurate	77-58-7	<0.01	Xn	R52/53 R21/22

Other Components

Natural vegetable oil, Calcium carbonate and Sand

3. HAZARDS IDENTIFICATION:

Classification Harmful
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 warm 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: C02 or foam.

UNSUITABLE EXTINGUISHING

MEDIA: Water.

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

7.2 STORAGE: To be stored between +10 deg. C and +50deg. 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⁻³ 8 hour TWA
Silica Sand 0.08 mg. m⁻³ 8 hour TWA

RESPIRATORY PROTECTION: Wear dust mask if large amounts of dust are generated

HAND PROTECTION: Wear plastic gloves

EYE PROTECTION: Wear safety glasses

SKIN PROTECTION: Wear sensible industrial clothing, wash regularly.

9. PHYSICAL AND CHEMICAL PROPERTIES:

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SECONDARY FILLER

	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 300 deg.C	Not applicable
MELTING POINT RANGE:	Not applicable	Not applicable	Not applicable
FLASH POINT:	Above 200 deg. C (open cup)	Above 200 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	1.24	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	Secondary filler
EYE CONTACT:	Possible Irritation	Irritation	Irritation
SKIN EFFECT:	Possible irritation	Possible irritation and sensitisation	Possible irritation
INHALATION:	Irritation unlikely	possible irritation and sensitisation	Possible irritation
INGESTION:	Possible Purgative	Possible gastric Irritation	Possible gastric irritation
EXPOSURE LIMITS		0.02 mg per cubic metre, 8 ht TWA 0.07 mg per cubic metre, 15 min STEL	0.08 mg per cubic metre 8hr TWA

12. ECOLOGICAL INFORMATION:

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

13. DISPOSAL CONSIDERATIONS:

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

14. TRANSPORT INFORMATION:

Not classified as dangerous for transport

15. REGULATORY INFORMATION:

Labelling	Symbol Hazard Contains	Xn Harmful 4,4' Diphenylmethanediisocyanate , isomers and homologues
Risk Phrases	R20 R36/37/38 R42	Harmful by inhalation irritating to eyes, respiratory system and skin. may cause sensitisation by inhalation
Safety Phrases	S26 S28 S38 S45	In case of eye contact flush with water and seek medical advice In case of skin contact wash with soap and water in case of insufficient ventilation wear suitable respiratory equipment In case accident or if you feel unwell seek medical advice.

16. OTHER INFORMATION:

Date of preparation November 2001

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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.