

## 3 Part Polyurethane Compound

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

PRODUCT NAME: 3 Part Polyurethane Compound  
SUPPLIER: W T Henley Limited  
Silverkey, Church Manorway  
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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<sup>-3</sup> 8 hour TWA  
Silica Sand 0.08 mg. m<sup>-3</sup> 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                             |                |
|-----------------------|--|--------------------------------------|----------------|
| 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<br>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<br>Hazard<br>Contains | Xn<br>Harmful<br>4,4' Diphenylmethanediisocyanate , isomers and homologues  |
| Risk Phrases   | R20<br>R36/37/38<br>R42      | Harmful by inhalation<br>irritating to eyes, respiratory system and skin.<br>may cause sensitisation by inhalation  |
| Safety Phrases | S26<br>S28<br>S38<br>S45     | In case of eye contact flush with water and seek medical advice<br>In case of skin contact wash with soap and water<br>in case of insufficient ventilation wear suitable respiratory equipment<br>In case accident or if you feel unwell seek medical advice. |

**16. OTHER INFORMATION:**

Date of preparation August 2006

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