



EU Nota: 2, C

#### 4 FIRST-AID MEASURES

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##### 4.1 Eye Contact:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

##### 4.2 Skin Contact:

Wash affected area with soap and water.

##### 4.3 Inhalation:

If signs or symptoms occur, remove person to fresh air. If signs/symptoms continue, call a medical doctor.

##### 4.4 Ingestion:

Do not induce vomiting. Drink two glasses of water. Call a medical doctor.

#### 5 FIRE-FIGHTING MEASURES

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##### 5.1 Suitable Extinguishing Media:

Water spray. Carbon dioxide. Dry chemical. Foam.

##### 5.2 Unsuitable Extinguishing Media:

Not specified.

##### 5.3 Exposure Hazards:

Not determined.

##### 5.4 Combustion Products from Fire:

Not determined.

##### 5.5 Fire-Fighting Procedures:

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, tunic and trousers (leggings), bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

##### 5.6 Special Instructions:

None known.

#### 6 ACCIDENTAL RELEASE MEASURES

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##### 6.1 Personal Precautions:

Please observe precautions from other sections of this MSDS.

##### 6.2 Methods for Cleaning up:

Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools.

Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry.

Collect as much of the spilled material as possible.

Place in an approved metal container.

#### 7 HANDLING AND STORAGE

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##### 7.1 Precautions for Safe Handling:

Keep container tightly closed.

- Explosion Prevention:

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

#### 7.2 Precautions for Safe Storage:

Keep container closed when not in use.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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#### 8.1 Recommended Ventilation:

Use in a well-ventilated area.

#### 8.2 Exposure Limits:

Polyvinyl chloride (9002-86-2)

HSE WEL TWA: 10 mg/m<sup>3</sup> (inhalable dust)  
4 mg/m<sup>3</sup> (respirable dust)

Xylene (1330-20-7)

HSE WEL TWA: 220 mg/m<sup>3</sup>; 50 ppm (skin)  
HSE WEL STEL: 441 mg/m<sup>3</sup>; 100 ppm (skin)  
IOELV TWA: 221 mg/m<sup>3</sup>; 50 ppm (skin)  
IOELV STEL: 442 mg/m<sup>3</sup>; 100 ppm (skin)

Diphenylmethane-4,4'-diisocyanate (101-68-8)

HSE WEL TWA: 0.02 mg/m<sup>3</sup> (as NCO) (asthma)  
HSE WEL STEL: 0.07 mg/m<sup>3</sup> (as NCO) (asthma)

#### 8.3 Exposure Controls:

##### 8.3.1 Eye Protection:

Avoid eye contact.  
Safety glasses with side shields.

##### 8.3.2 Hand Protection:

Wear appropriate gloves when handling this material.

##### 8.3.3 Skin Protection:

Avoid skin contact.

##### 8.3.4 Respiratory Protection:

Avoid inhalation of vapours.

##### 8.3.5 Ingestion:

Do not ingest. Keep out of the reach of children.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

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- Appearance and Odour: White paste with a solvent odour.

- pH: Not determined

- Boiling point/boiling range: Not determined

- Melting point/melting range: Not determined

- Flash point: > 50 °C

- Autoflammability: Not determined

- Flammable Limits - LEL: Not determined

- Flammable Limits - UEL: Not determined

- Vapour pressure: Not determined

- Water Solubility: Nil

- Specific gravity: 1.17 g/cc (Water=1)
- Vapour density: Not determined
- Volatile organic compounds: Not determined
- Evaporation rate: Not determined
- Viscosity: Not determined
- Percent Volatile: Not determined

## 10 STABILITY AND REACTIVITY

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### 10.1 Stability and Reactivity:

Stable. Hazardous polymerisation will not occur.

### 10.2 Conditions to Avoid:

None known.

### 10.3 Materials to Avoid:

Amines.  
Alcohols.  
Water.

Reaction with water, alcohols and amines is not hazardous if container can vent to the atmosphere to prevent pressure build-up.

### 10.4 Hazardous Decomposition:

Carbon monoxide and carbon dioxide.  
Oxides of nitrogen.  
Isocyanates.

## 11 TOXICOLOGICAL INFORMATION

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### 11.1 Effects from Eye Contact:

- Mild Eye Irritation: Signs/symptoms may include redness, pain and tearing.

### 11.2 Effects from Skin Contact:

- Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

### 11.3 Effects from Inhalation:

- Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.  
- Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Persons previously sensitised to isocyanates may experience an allergic respiratory reaction: signs/symptoms can include difficulty breathing, wheezing, tightness of chest, and respiratory failure.

### 11.4 Effects from Ingestion:

- Chemical (Aspiration) Pneumonitis: Signs/symptoms may include coughing, gasping, choking, burning of the mouth, difficulty breathing, bluish coloured skin (cyanosis), and may be fatal.

Ingestion may cause:

- Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhea and vomiting.

### 11.5 Other Effects and Information:

Persons previously sensitised to isocyanates may experience an allergic skin reaction: signs/symptoms can include redness, swelling, blistering, and itching.

## 12 ECOLOGICAL INFORMATION

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### 12.1 Environmental Data:

Not determined.

### 12.2 Mobility in Soil and Water:

Not determined.

### 12.3 Persistence/Biodegradability:

Not determined.

### 12.4 Bioaccumulation Potential:

Not determined.

### 12.5 Ecotoxicity Data:

Not determined.

### 12.6 Ecofate Data:

Not determined.

### 12.7 Special statements for 2001/58/EC:

Not determined.

### 12.8 Other Effects and Information:

Since regulations vary, consult applicable regulations or authorities before disposal.

## 13 DISPOSAL CONSIDERATIONS

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### 13.1 Product as Sold:

Not determined.

### 13.2 Product in Use:

Not determined.

### 13.3 Product after Use:

Not determined.

### 13.4 Product Packaging:

Not determined.

### 13.5 Potential for Recycling:

Not determined.

### 13.6 Special Instructions:

As a disposal alternative, incinerate in an industrial or commercial facility in the presence of a combustible material.

## 14 TRANSPORT INFORMATION

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- UN number: Not restricted for transportation.

## 15 REGULATORY INFORMATION

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### Label Version Number:

03.00

### Symbol(s):

Xn Harmful.

Risk Phrases:

R42 May cause sensitisation by inhalation.

Safety Phrases:

S23A Do not breathe vapour.

S51 Use only in well ventilated areas.

S24/25 Avoid contact with the skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28B After contact with skin, wash immediately with plenty of water.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S2 Keep out of the reach of children.

3M Contains isocyanates. See information supplied by manufacturer.

Disclosable Ingredients:

Diphenylmethane-4,4'-diisocyanate.

## 16 OTHER INFORMATION

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### 16.1 Complete list of risk phrases:

R10 Flammable.

R20 Harmful by inhalation.

R21 Harmful in contact with skin.

R36 Irritating to eyes.

R37 Irritating to respiratory system.

R38 Irritating to skin.

R42 May cause sensitisation by inhalation.

R43 May cause sensitisation by skin contact.

R51 Toxic to aquatic organisms.

R53 May cause long-term adverse effects in the aquatic environment.

R65 Harmful: May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

### 16.2 Limitations on Use of Product:

For industrial or professional use only.

### 16.3 Reissue date/Reason for reissue:

Complete MSDS revision in accordance with EU directive 2001/58/EC.

### 16.4 Regulatory Information:

The following UK Regulations as amended may affect the product as supplied:

The Chemicals (Hazard Information and Packaging for supply) Regulations, as amended;

The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and use of Transportable Pressure Receptacles Regulations 1996, as amended;

The Control of Substances Hazardous to Health Regulations 1999 as amended;

The Special Waste Regulations 1996, as amended;

The Environmental Protection Act, 1990, as amended;

The Health and Safety at Work Act, 1974, as amended.

The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of

publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.