



## SAFETY DATA SHEET

A9900

Page 1

Issued: 25/10/2006

Revision No: 1

Sent to: SHEFFIELD INSULATIONS LIMITED

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

**Product name:** A9900

**Use of substance / preparation:** Adhesive.

**Company name:** Apollo Chemicals Ltd

Sandy Way

Amington Industrial Estate

Tamworth

B77 4DS

UK

Tel: + 44 (0) 1827 54281

Fax: + 44 (0) 1827 53030

Emergency tel: + 44 (0) 1827 69662

### 2. HAZARDS IDENTIFICATION

**Main hazards:** Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** DICHLOROMETHANE 5.000%

EINECS: 200-838-9 CAS: 75-09-2

[Xn] R40

- DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES) 10.000%

CAS: 9016-87-9

[Xn] R20; [Xi] R36/37/38; [Sens.] R42

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting. There may be loss of consciousness. Convulsions may occur. Onset of symptoms may be delayed

**Inhalation:** Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness. Convulsions may occur.

### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Remove from skin with paper or towel. Wash effected area thoroughly with soap and water. Seek medical advice if symptoms persist.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

[cont...]

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.

**Exposure hazards:** In combustion emits toxic fumes.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel.  
Turn leaking containers leak-side up to prevent the escape of liquid.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedures:** Absorb into dry earth or sand. Wash the spillage site with large amounts of water. To avoid build up of pressure due to the evolution of carbon dioxide, do not seal containers until fully reacted.

## 7. HANDLING AND STORAGE

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Workplace exposure limits

**WEL (8 hr exposure limit):** 0.02 mg/m<sup>3</sup>

**WEL (15 min exposure limit):** 0.07 mg/m<sup>3</sup>

### Hazardous ingredients:

DICHLOROMETHANE  
WEL (8 hr exposure limit): 350 mg/m<sup>3</sup> WEL (15 min exposure limit): 1060 mg/m<sup>3</sup>

- DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

WEL (8 hr exposure limit): 0.02 mg/m<sup>3</sup> WEL (15 min exposure limit): 0.07 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** If exposure levels are likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high level exposures, compressed airline breathing apparatus should be used.

**Hand protection:** Avoid skin contact. For repeated exposure use Viton or 4H chemical gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Protective clothing. Boots made of PVC.

**9. PHYSICAL AND CHEMICAL PROPERTIES****State:** Liquid**Colour:** Pale brown**Odour:** Characteristic odour**Evaporation rate:** Fast**Oxidising:** Non-oxidising (by EC criteria)**Solubility in water:** Reacts with water.**Viscosity:** Viscous**Boiling point/range°C:** 39**Relative density:** 1.09**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions.**Conditions to avoid:** Heat. Hot surfaces. Moist air. Humidity.**Materials to avoid:** Strong acids. Strong bases. Aluminium.**Haz. decomp. products:** In combustion emits toxic fumes.**11. TOXICOLOGICAL INFORMATION****Hazardous ingredients:** DICHLOROMETHANE

ORL MUS LD50 4770 mg/kg

ORL RAT LD50 5350 mg/kg

SCU MUS LD50 6460 mg/kg

- DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

ORL RAT LD50 10,000 mg/kg

SKN RBT LD50 5,000 mg/kg

**12. ECOLOGICAL INFORMATION****Hazardous ingredients:** DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

DAPHNIA 24H EC50 &gt;750 mg/l

FISH BRACHYDANIO RERIO 96H LC50 &gt;100 mg/l

**Mobility:** Volatile.**Persistence and degradability:** No data available.**Bioaccumulative potential:** No data available.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** Arrange for disposal by a licenced waste disposal company**Disposal of packaging:** Arrange for disposal by a licenced waste disposal company**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

**UN no:** 2810 **ADR Class:** 6.1  
**Packing group:** III **Classification code:** T1  
**Shipping name:** TOXIC LIQUID, ORGANIC, N.O.S.  
**Labelling:** 6.1 **Hazard ID no:** 60

**IMDG / IMO**

**UN no:** 2810 **Class:** 6.1  
**Packing group:** III **EmS:** F-A,S-A  
**Marine pollutant:** .  
**Labelling:** 6.1

**IATA / ICAO**

**UN no:** 2810 **Class:** 6.1  
**Packing group:** III  
**Packing instructions:** 611(P&CA); 618(CAO)  
**Labelling:** 6.1

**15. REGULATORY INFORMATION**

**Hazard symbols:** Harmful.



**Risk phrases:** R40: Limited evidence of a carcinogenic effect.

R42: May cause sensitisation by inhalation.

**Safety phrases:** S23: Do not breathe vapour.

S53: Avoid exposure - obtain special instructions before use.

S29/35: Do not empty into drains; dispose of this material and its container in a safe way.

S36/37: Wear suitable protective clothing and gloves.

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).

S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

## SAFETY DATA SHEET

A9900

**Precautionary phrases:** Contains isocyanates. See information supplied by the manufacturer.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16. OTHER INFORMATION

**Risk phrases used in s.3:** R40: Limited evidence of a carcinogenic effect.  
R20: Harmful by inhalation.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R42: May cause sensitisation by inhalation.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

**SHEFFIELD INSULATIONS LIMITED  
HILLSBOROUGH WORKS  
LANGSETT ROAD  
SHEFFIELD  
S6 2LW**