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

**Product name:** ACOTHANE ACTIVATOR

**Product code:** 06AACT

**Use / description of product:** Harmful. Liquid.

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Ingredient 1:** DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES) >90%  
CAS: 9016-87-9  
[Xn] R20; [Xi] R36/37/38; [Sens.] R42;

### 3. HAZARDS IDENTIFICATION

**Main hazards:** Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation.

### 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.

**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. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**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 1 pint 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.

**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

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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. If inside, transfer outside of building in suitable containers. For small spills, absorb on to paper and allow to evaporate in a fume cupboard. Wash the spillage site with large amounts of water.

**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**

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

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency. Spraying of isocyanate containing products should only be carried out in suitable spray booths or enclosures equipped with effective exhaust ventilation to prevent spray mist escaping into the work areas outside the spray booth. Air-fed respiratory equipment should be worn when this product is sprayed.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. Ensure safety shower is to hand.

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

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

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Dark brown

**Odour:** earthy/musty

**Viscosity:** Viscous

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Insoluble

**Flash point°C:** 220

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**Effects of exposure** Based on the properties of the isocyanate content of this product, respiratory exposure may cause acute irritation and/or sensitization of the respiratory system, resulting in asthmatic symptoms, wheezing and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to airborne concentrations of isocyanate well below the occupational exposure limit. Repeated exposure may lead to permanent respiratory disability.

**Ingredient 1:** DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)  
ORL RAT LD50 49gm/kg  
SKN RBT LD50 >9400mg/kg

**12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS**

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID****Shipping name:** Not dangerous cargo.**IMDG / IMO****Labelling:** Not dangerous cargo.**IATA / ICAO****Labelling:** Not dangerous cargo.**15. REGULATORY INFORMATION****Hazard symbols:** Harmful.

**Risk phrases:** R20: Harmful by inhalation.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R42: May cause sensitisation by inhalation.

**Safety phrases:** S23: Do not breathe SPRAY/FUMES  
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.  
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

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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. ADDITIONAL INFORMATION**

**Risk phrases used in s.2:** 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.