

MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF SUBSTANCE/ PREPARATION AND COMPANY

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SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS
Chemical characterisation: DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES) 10-30%
CAS: 9016-87-9
[Xn] R20; [Xi] R36/37/38; [Sens.] R42

SECTION 3. HAZARDS IDENTIFICATION
Main Hazards: Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation.

SECTION 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.

SECTION 4. FIRST AID MEASURES (ACTIONS)
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 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 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.

SECTION 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.

SECTION 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.

SECTION 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.

SECTION 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.
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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
State: Liquid
Colour: Dark brown.
Odour: Characteristic odour
Viscosity: Viscous
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Reacts with water
Flash point°C: >200
Autoflammability°C: >400
Relative density: 1.12

SECTION 10. STABILITY AND REACTIVITY
Stability: Stable under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION
Ingredient 1: DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)
ORL RAT LD50 49g/kg

SECTION 12. ECOLOGICAL INFORMATION

SECTION 13. DISPOSAL CONSIDERATION
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14. TRANSPORT INFORMATION
ADR/RID
Shipping Name: Not classified as hazardous for transport.
IMDG/IMO
IAYA/ICAO

SECTION 15. REGULATORY INFORMATION
Hazard symbols: Harmful
Risk phrases: R36/37/38: Irritating to eyes, respiratory system and skin.
R42: May cause sensitisation by inhalation.
S23: Do not breathe vapour
S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
Contains isocyanates. May produce an allergic reaction.
Safety phrases: 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.

SECTION 16. OTHER 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.

The information contained in this data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations. It does not constitute the user's own assessment of workplace risks are required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with. This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.

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