



SAFETY DATA SHEET

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POLYURETHANE EXPANSION JOINT SYSTEM- PART B..

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

Product name: POLYURETHANE EXPANSION JOINT SYSTEM- PART B..

Use / description of product: Harmful.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Contains: 4,4-Diphenylmethane Diisocyanate

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 mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: Nausea and stomach pain may occur. There may be vomiting.

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. Drink water in small sips(Diluting effect) Drink citrus fruit juice for neutralisation. Transfer to hospital as soon as possible.

Inhalation: Remove to fresh air if feeling unwell.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water. Halons. Alcohol or polymer foam. Water spray.

Exposure hazards: In combustion emits toxic fumes of nitrogen oxides. In combustion emits toxic fumes of hydrogen cyanide.

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: Refer to section 8 of SDS for personal protection details.

Environmental precautions: Do not discharge into drains or rivers.

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Clean-up procedures: Absorb into dry earth or sand. Refer to section 13 of SDS for suitable method of disposal.

7. HANDLING AND STORAGE

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

Storage conditions: Keep container tightly closed. Store at ambient temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hand protection: Protective gloves.

Eye protection: Face-shield.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. PVC apron covering the tops of the boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Dark brown

Odour: Earth, Musty

Solubility in water: Insoluble

Melting point/range°C: <0°C

Flash point°C: >200°C

Autoflammability°C: >400°C

Vapour pressure: <0.00001 mbar @ 20°C

Relative density: 1.22 @ 20°C

pH: N/A

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. Reacts water forming CO₂ in closed container, therefore risk of bursting owing to increase of pressure.

Materials to avoid: Alcohols. Amines.

11. TOXICOLOGICAL INFORMATION

Effects of exposure Over exposure, especially during spraying operations, without necessary precautions will lead to possible development of Hyper-sensitivity, difficulty breathing, coughing or asthma. Prolonged contact with skin may cause tanning irritating effects.

Routes of exposure May cause sensitisation by inhalation. May cause sensitisation by skin contact.

Toxicity: IHL RAT LD50 370mg

ORL RAT LD50 >15000mg/kg

Ingredient 1: ORL RAT LD50 49g/kg

12. ECOLOGICAL INFORMATION

Other adverse effects: Water prolusion class 1 - Slightly hazardous to water.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Mix or dissolve with a combustible material and burn in a chemical incinerator equipped

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with afterburners and scrubbers.

Disposal of packaging Arrange for collection by specialised 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**

Shipping name: DIPHENYLMETHANE-4,4 - DIISOCYANATE

IMDG / IMO**IATA / ICAO****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: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28: After contact with skin, wash immediately with plenty of soap and water.
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).

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. ADDITIONAL INFORMATION

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.