



SAFETY DATA SHEET

XP 2525

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Issued: 20/10/03

Revision No: 1

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

Product name: XP 2525

Use / description of product: Harmful. Liquid.

Company name: Chemique Adhesives & Sealants Ltd

Unit 21

Empire Close

Aldridge

West Midlands

WS98UR

UK

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients: DIPHENYLMETHANE-4,4'-DI-ISOCYANATE 10-30%

CAS: 101-68-8

EINECS: 202-966-0

[Xn] R20; [Xi] R36/37/38; [Sens.] R42/43;

- DICHLOROMETHANE 1-10%

CAS: 75-09-2

EINECS: 200-838-9

[Xn] R40;

Contains: Isocyanates.

3. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact.

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.

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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 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.

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.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients: DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

TWA (8 hr exposure limit): 0.02 mg/m³ STEL (15 min exposure limit): 0.07 mg/m³

- DICHLOROMETHANE

TWA (8 hr exposure limit): 350 mg/m³ STEL (15 min exposure limit): 1060 mg/m³

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. Nitrile 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Colour: Green
Odour: Characteristic odour
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Reacts with water.
Viscosity: Viscous
Viscosity value: 2500CPS
Relative density: 1.13 @ 20°C

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Heat.
Materials to avoid: Aluminium, Amines, Magnesium, alcohols, acids and alkalis Amines, aluminium and magnesium.
Do not use aluminium in the construction of any spray equipment. (Sprayguns, pipework)
Haz. decomp. products: In combustion emits toxic fumes of hydrogen chloride / phosgene. In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Ingredients: DIPHENYLMETHANE-4,4'-DI-ISOCYANATE
ORL MUS LD50 2200 mg/kg
ORL RAT LD50 9200 mg/kg
• DICHLOROMETHANE
ORL MUS LD50 4770 mg/kg
ORL RAT LD50 5350 mg/kg
SCU MUS LD50 6460 mg/kg
Chronic toxicity: May cause sensitisation by inhalation. May cause sensitisation by skin contact.
Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Ingredients: DICHLOROMETHANE
DAPHNIA 96H LC50 27 mg/l
Mobility: Volatile.
Persistence and degradability: Biodegradable.
Bioaccumulative potential: No bioaccumulation potential.
Other adverse effects: Harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

[cont...]

14. TRANSPORT INFORMATION**ADR / RID**

UN no:	2810	ADR Class:	6.1
Packing group:	III	Hazard ID no:	60
Labelling:	6.1		
Shipping name:	TOXIC LIQUID, ORGANIC, N.O.S. (DICHLOROMETHANE)		

IMDG / IMO

UN no:	2810	Class:	6.1
Packing group:	III	EmS:	6.1-02
Marine pollutant:	N	Labelling:	6.1

IATA / ICAO

UN no:	2810	Class:	6.1
Packing group:	III	Packing instructions:	618
Quantity:	220 L		
Labelling:	6.1		

15. REGULATORY INFORMATION**Hazard symbols:** Harmful.

Risk phrases: R36/37/38: Irritating to eyes, respiratory system and skin.
R40: Limited evidence of a carcinogenic effect.
R42/43: May cause sensitisation by inhalation and skin contact.

Safety phrases: S23: Do not breathe vapour.
S24: Avoid contact with skin.
S36/37: Wear suitable protective clothing and gloves.
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.

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. ADDITIONAL INFORMATION

Risk phrases used in s.2: R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

R42/43: May cause sensitisation by inhalation and skin contact.

R40: Limited evidence of a carcinogenic effect.

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.