

SAFETY DATA SHEET

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Issued: 16/03/04
Revision No: 1
Sent to: POLYMARINE LIMITED

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

Product name: A107
Manufactured by: Apollo Chemicals Limited
Use / description of product: Adhesive component
Company name:
POLYMARINE LTD
The Round House
Ferry Farm Road
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients:

- DICHLOROMETHANE 70-90% EINECS: 200-838-9 CAS: 75-09-2 [Xn] R40
- DIPHENYLMETHANE-4,4'-DI-ISOCYANATE 10-30% EINECS: 202-966-0 CAS: 101-68-8 [Xn] R20; [Xi]R36/37/38; [Sens.] R42/43

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. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Onset of symptoms may be delayed

4. FIRST AID MEASURES (ACTION)

Skin contact: 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. Consult a doctor.
Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.
[cont...]

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5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. 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. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits

TWA (8 hr exposure limit): 0.02mg/m³ (MEL)

STEL (15 min exposure limit): 0.07mg/m³ (MEL)

Hazardous ingredients:

- DICHLOROMETHANE TWA (8 HR EXPOSURE LIMIT):350 mg/m³ STEL (15 min exposure limit): 0.07mg/m³ (OES)
- DIPHENYLMETHANE-4,4'-DI-ISOCYANATE WA (8 hr exposure limit): 0.02 mg/m³ STEL (15 min exposure limit): 0.07 mg/m³ (OES)

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

Respiratory protection: If exposure levels are likely to be exceeded, use a face mask fitted with an AXP3 filter for short term low level exposures, or for long term/ high level exposures a positive pressure air fed mask should be used.

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

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Pale brown

Odour: Pungent

Evaporation rate: Fast

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Reacts with water.

Viscosity: Non-viscous

Relative density: 1.26

[cont...]

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10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

Materials to avoid: Strong oxidising agents. Strong acids.

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-4,4'-DI-ISOCYANATE ORL MUS LD50 2200 mg/kg ORL RAT LD50 9200 mg/kg

Chronic toxicity: 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

Mobility: Volatile.

Persistence and degradability: Biodegradable in part only.

Bioaccumulative potential: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Arrange for disposal by a licenced waste disposal company

Disposal of packaging: Arrange for collection 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

Shipping name: TOXIC LIQUID, ORGANIC, N.O.S.[contains dichloromethane]

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: YES

Labelling: 6.1

IATA / ICAO

UN no: 2810

Class: 6.1

Packing group: III

Packing instructions: 618

Labelling: 6.1

[cont...]

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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.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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).

S53: Avoid exposure - obtain special instructions before use.

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

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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.2:

R40: Limited evidence of a carcinogenic effect.

R20: Harmful by inhalation.

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

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

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.

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