

LANG-STIK

Product Ref: (DsC13-0909)

Issue No: 03

COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients:

DICHLOROMETHANE 1-10%

EINECS: 200-838-9 CAS: 75-09-2

[Xn] R40

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES) 1-10%

CAS: 9016-87-9

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

HAZARDS IDENTIFICATION

Main Hazards:

Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation.

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. Onset of symptoms may be delayed.

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.

FIRST-AID MEASURES (ACTIONS)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. 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. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. If conscious, give half a litre 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.

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

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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. To avoid build up of pressure due to the evolution of carbon dioxide, do not seal containers until fully reacted.

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.

EXPOSURE CONTROLS/PERSONAL PROTECTION

- Workplace Exposure Limits:** WEL (8 hr TWA): 0.02 mg/m³
WEL (15 min STEL): 0.07 mg/m³
- Hazardous Ingredients:** DICHLOROMETHANE
WEL (8 hr TWA): 350 mg/m³ WEL (15 min STEL): 1060 mg/m³
DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)
WEL (8 hr TWA): 0.02 mg/m³ WEL (15 min STEL): 0.07 mg/m³
- Engineering Measures:** Ensure there is sufficient ventilation of the area.
- Respiratory Protection:** If exposure levels are likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high level exposures, compressed airline breathing apparatus should be used.
- Hand Protection:** Avoid skin contact. For repeated exposure use Viton or 4H chemical gloves.
- Eye Protection:** Safety goggles.
- Skin Protection:** Protective clothing. Boots made of PVC.

PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
- Colour:** Pale brown
- Odour:** Characteristic odour
- Evaporation rate:** Fast
- Oxidising:** Non-oxidising (by EC criteria)
- Solubility in water:** Reacts with water.
- Viscosity:** Viscous
- Boiling point/range °C:** 39
- Relative density:** 1.09

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STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Heat. Hot surfaces. Moist air. Humidity.
Materials to avoid: Strong acids. Strong bases. Aluminium.
Haz. decomp. products: In combustion emits toxic fumes.

TOXICOLOGICAL INFORMATION

Hazardous ingredients:

DICHLOROMETHANE
ORL MUS LD50 4770 mg/kg
ORL RAT LD50 5350 mg/kg
SCU MUS LD50 6460 mg/kg
DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)
ORL RAT LD50 10,000 mg/kg
SKN RBT LD50 5,000 mg/kg

ECOLOGICAL INFORMATION

Hazardous ingredients: DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)
DAPHNIA 24H EC50 >750 mg/l
FISH BRACHYDANIO RERIO 96H LC50 >100 mg/l

Mobility: Volatile.
Persistence and degradability: No data available.
Bio accumulative potential: No data available.

DISPOSAL CONSIDERATIONS

Disposal operations: Arrange for disposal by a licensed waste disposal company.
Disposal of packaging: Arrange for disposal by a licensed waste disposal company.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

TRANSPORT INFORMATION

ADR / RID

UN No: 2810 ADR Class: 6.1
Packing group: III Classification code: T1
Shipping name: TOXIC LIQUID, ORGANIC, N.O.S.
Labelling: 6.1 Hazard ID no: 60



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IMDG / IMO

UN no: 2810 Class: 6.1
Packing group: III EmS: F-A,S-A
Marine pollutant:
Labelling: 6.1

IATA / ICAO

UN no: 2810 Class: 6.1
Packing group: III
Packing instructions: 611(P&CA); 618(CAO)
Labelling: 6.1

REGULATORY INFORMATION

Hazard symbols: Harmful



Risk phrases:

R40: Limited evidence of a carcinogenic effect.
R42: May cause sensitisation by inhalation.

Safety Phrases:

S23: Do not breathe vapour.
S53: Avoid exposure - obtain special instructions before use.
S29/35: Do not empty into drains; dispose of this material and its container in a safe way.
S36/37: Wear suitable protective clothing and gloves.
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).
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.

Haz. ingredients (label):

DICHLOROMETHANE; DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

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.

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OTHER INFORMATION**Risk phrases used in s.3:**

R40: Limited evidence of a carcinogenic effect.
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 does not constitute an assessment of workplace risk as required by current legislation. Whilst every care is taken to see that the information is correct and up to date, it is not intended to form part of any contract or give rise to any collateral liability, which is hereby specifically excluded.

For further information, contact Technical Services at Daventry, Northants. Telephone (01327) 704778.

This data sheet cancels and supersedes all previous editions. The information contained in this data sheet is based on current knowledge and experience. The purpose of this data sheet is to describe the specific product in terms of safety requirements. It does not constitute a warranty with regard to the product's properties and/or performance in use.

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