



## SAFETY DATA SHEET

FLEXICOTE

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Revision No: 4

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

**Product name:** FLEXICOTE

**Use / description of product:** Roofing compound.

**Company name:** Unicorn Chemicals Ltd

Unicorn House

Mowbray Drive

Blackpool

Lancashire

FY3 7UN

Tel: 01253 396101

Fax: 01253 302895

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** 1,2,4-TRIMETHYLBENZENE 1-10%

EINECS: 202-436-9 CAS: 95-63-6

[ - ] R10; [ Xn ] R20; [ Xi ] R36/37/38; [ N ] R51/53

- SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.LOW BENZENE; LOW BOILING POINT

NAPHTHA 1-10%

CAS: 64742-95-6

[ Xn ] R20; [ Xi ] R36/37/38; [ Xn ] R65; [ N ] R51/53

- DIPHENYLMETHANE-2,4'-DI-ISOCYANATE 1-10%

EINECS: 227-534-9 CAS: 5873-54-1

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

### 3. HAZARDS IDENTIFICATION

**Main hazards:** May cause sensitisation by inhalation and skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** May cause sensitisation by skin contact. Liquid may irritate skin.

**Eye contact:** May cause irritation to eyes and mucous membranes. May cause severe irritation to eyes.

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

**Inhalation:** Harmful by inhalation. May cause sensitisation by inhalation.

### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash with soap and water. Seek medical advice if irritation develops.

**Eye contact:** Rinse immediately with plenty of water for at least 10 minutes and seek medical advice.

**Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Seek medical attention.

[cont...]

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**Inhalation:** Remove to fresh air. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Use water spray, fog or mist. Alcohol or polymer foam. Carbon dioxide. Dry chemical powder.

**Exposure hazards:** Toxic or irritating fumes may be released at elevated temperatures.

**Protection of fire-fighters:** 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. Contain the spillage using sufficient appropriate absorbent material.

**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:** Do not handle in a confined space. Avoid direct contact with the substance. Avoid contact with water, alcohols, amines and other materials that may react with isocyanates. Do not eat, smoke or drink whilst working with this material. Persons with an impaired lung function or a susceptibility for allergic reactions should not use this product.

**Storage conditions:** Keep away from sources of ignition. Avoid contact with water or humidity. Store in cool, well ventilated area. Keep container tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** 1,2,4-TRIMETHYLBENZENE

WEL (8 hr exposure limit): 125 mg/m<sup>3</sup> (Sk)

- DIPHENYLMETHANE-2,4'-DI-ISOCYANATE

WEL (8 hr exposure limit): 0.02 mg/m<sup>3</sup> WEL (15 min exposure limit): 0.07 mg/m<sup>3</sup>

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

**Respiratory protection:** If Workplace Exposure Limit(s) listed above are exceeded, respiratory protection may be required.

**Hand protection:** Rubber gloves.

**Eye protection:** Safety glasses with side-shields.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Black

**Odour:** Hydrocarbon.

**Solubility in water:** Insoluble

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**Viscosity:** 5000-9000 cps @ 25 Deg C**Flash point°C:** >200**Relative density:** 1.25**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions.**Conditions to avoid:** Moisture. Heat. Flames. Sparks.**Materials to avoid:** Acids. Bases. Amines. Alcohols. Glycols.**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Oxides of nitrogen.  
Hydrogen cyanide.**11. TOXICOLOGICAL INFORMATION****Hazardous ingredients:** 1,2,4-TRIMETHYLBENZENE

IPR RAT LDLO 1752 mg/kg

ORL RAT LD50 5 gm/kg

**Routes of exposure:** LD50 (oral-rat) >10000mg/Kg; LD50 (skin-rabbit) >500mg/Kg; LC50 (inh-rat) 500ppm/4h.  
Harmful by inhalation. May cause sensitisation by inhalation. Prolonged exposure may lead to reduced tolerance, resulting in asthma-like response to low concentration exposure.**12. ECOLOGICAL INFORMATION****Persistence and degradability:** No information available on the product as a whole.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** Contact Unicorn Chemicals Ltd to arrange disposal.**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:** -**Shipping name:** NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.**IMDG / IMO****UN no:** -**IATA / ICAO****UN no:** -**15. REGULATORY INFORMATION****Hazard symbols:** Harmful.

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**Risk phrases:** R42/43: May cause sensitisation by inhalation and skin contact.  
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:** S23: Do not breathe vapour/spray.  
S24: Avoid contact with skin.  
S37: Wear suitable 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. OTHER INFORMATION

**Other information:** Always use in accordance with manufacturer's directions.  
This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.

**Risk phrases used in s.2:** R10: Flammable.  
R20: Harmful by inhalation.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65: Harmful: may cause lung damage if swallowed.  
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.