



SAFETY DATA SHEET

KLIK

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Revision No: 3

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

Product name: KLIK

Use / description of product: Heavy duty adhesive.

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: DICHLOROMETHANE 30-50%

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

[Xn] R40

- METHYL ETHYL KETONE 1-10%
- BUTANE 10-30%

EINECS: 203-448-7 CAS: 106-97-8

[F+] R12

- PROPANE 10-30%

EINECS: 200-827-9 CAS: 74-98-6

[F+] R12

3. HAZARDS IDENTIFICATION

Main hazards: Extremely flammable. Limited evidence of a carcinogenic effect.

Other hazards: In use, may form flammable / explosive vapour-air mixture.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact. Prolonged or repeated contact may defat the skin leading to dermatitis.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: Aerosol packs make the possibility of ingestion unlikely, however if this should occur, irritation of mouth/throat, nausea and stomach pain may result.

Inhalation: Inhalation of high levels of vapour may cause upper respiratory tract irritation. Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. Drowsiness or mental confusion may occur. There may be loss of consciousness. Convulsions may occur.

[cont...]

4. FIRST AID MEASURES (ACTION)

- Skin contact:** Wash skin thoroughly with soap and warm water. Dry skin and apply replenishing cream. Seek medical advice if irritation develops.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** If affected, seek medical advice.
- 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 resistant foam.
- Exposure hazards:** Extremely flammable. Vapour may travel considerable distance to source of ignition and flash back. Forms explosive air-vapour mixture.
- 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:** Eliminate all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorised personnel.
- Environmental precautions:** Contain the spillage using sufficient appropriate absorbent material.
- Clean-up procedures:** If spillage is from leaking/punctured cans, ensure adequate ventilation and allow propellant to evaporate. Wipe up liquid spillage with absorbent material and dispose of safely.

7. HANDLING AND STORAGE

- Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Smoking is forbidden.
- Storage conditions:** Store in a cool, well ventilated area, below 50°C. Keep away from sources of ignition. Ensure lighting and electrical equipment are not a source of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Hazardous ingredients:** DICHLOROMETHANE
WEL (8 hr exposure limit): 350 mg/m³ WEL (15 min exposure limit): 1060 mg/m³ (Sk)
- BUTANE
WEL (8 hr exposure limit): 1450 mg/m³ WEL (15 min exposure limit): 1810 mg/m³
 - PROPANE
WEL (8 hr exposure limit): 1800 mg/m³ WEL (15 min exposure limit): 7200 mg/m³
- 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: Protective gloves. (Sk) noted above means can be absorbed through skin.

Eye protection: Safety goggles.

Skin protection: General workwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Aerosol

Colour: Pale straw

Odour: Characteristic odour

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Flammability limits %: lower: 0.8

upper: 22.0

Flash point°C: -40

Autoflammability°C: >500

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. Sources of ignition. Flames.

Materials to avoid: Oxidising agents.

Haz. decomp. products: In combustion emits toxic fumes of hydrogen chloride / phosgene.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: DICHLOROMETHANE

ORL MUS LD50 4770 mg/kg

ORL RAT LD50 5350 mg/kg

SCU MUS LD50 6460 mg/kg

• METHYL ETHYL KETONE

IPR RAT LD50 607 mg/kg

ORL MUS LD50 4050 mg/kg

ORL RAT LD50 2737 mg/kg

Routes of exposure: Exposure to high levels of vapour may cause drowsiness, dizziness, nausea, headaches, vomiting. Prolonged contact with skin may cause irritation leading to dermatitis in extreme cases. Dichloromethane (Methylene Chloride) has been classified as a Category 3 Carcinogen-a substance which causes concern for man owing to possible carcinogenic effects.

12. ECOLOGICAL INFORMATION

Mobility: Insoluble in water.

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: 1950

ADR Class: 2

Classification code: 5F

Shipping name: AEROSOLS

Labelling: 2.1

**IMDG / IMO**

UN no: 1950

Class: 2

EmS: F-D,S-U

Marine pollutant: .

Labelling: 2.1

IATA / ICAO

UN no: 1950

Class: 2

Labelling: 2.1

15. REGULATORY INFORMATION

Hazard symbols: Extremely flammable.

Harmful.



Risk phrases: R12: Extremely flammable.

R40: Limited evidence of a carcinogenic effect.

Safety phrases: S2: Keep out of the reach of children.

S23: Do not breathe vapour/spray.

S36/37: Wear suitable protective clothing and gloves.

S51: Use only in well-ventilated areas.

Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

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Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

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: This product belongs to Hazard Groups D and S under the COSHH Essentials guidelines (Publication HSG193).

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: R40: Limited evidence of a carcinogenic effect.

R12: Extremely flammable.

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.