



SAFETY DATA SHEET

KOOL

Page 1

Issued: 07/03/06

Revision No: 3

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

Product name: KOOL

Use / description of product: Cutting and tapping fluid.

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: MINERAL OIL 30-50%

CAS: 64742-52-5

- NAPHTHA (PETROLEUM), HYDROTREATED LIGHT; LOW BOILING POINT HYDROGEN

10-30%

CAS: 64742-49-0

[F] R11; [Xn] R65; [Xi] R38; [N] R51/53; [-] R67

- 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. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

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.

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.

[cont...]

SAFETY DATA SHEET

KOOL

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: Rinse with water for 10 minutes and seek medical advice if irritation persists.

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.

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: Do not discharge into drains or rivers. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: MINERAL OIL

WEL (8 hr exposure limit): 5mg/m³ (oil mist)

- NAPHTHA (PETROLEUM), HYDROTREATED LIGHT; LOW BOILING POINT HYDROGEN

WEL (8 hr exposure limit): 1000 mg/m³

- 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

SAFETY DATA SHEET

KOOL

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.

Eye protection: Safety goggles.

Skin protection: Protective overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Aerosol

Colour: Brown

Odour: Paraffinic

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Flammability limits %: lower: 0.6

upper: 9.0

Flash point°C: -40

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Hot surfaces. Sources of ignition. Flames.

Materials to avoid: Oxidising agents.

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Routes of exposure: Prolonged contact with skin may cause irritation leading to dermatitis in extreme cases.

12. ECOLOGICAL INFORMATION

Mobility: Insoluble in water.

Other adverse effects: The aerosol contents are potentially harmful to aquatic organisms.

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

SAFETY DATA SHEET

KOOL

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.



Risk phrases: R12: Extremely flammable.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67: Vapours may cause drowsiness and dizziness.

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

S23: Do not breathe vapour/spray.

S51: Use only in well-ventilated areas.

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

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

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: Always use in accordance with manufacturer's directions.

This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.

SAFETY DATA SHEET

KOOL

Risk phrases used in s.2: R11: Highly flammable.
R65: Harmful: may cause lung damage if swallowed.
R38: Irritating to skin.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67: Vapours may cause drowsiness and dizziness.
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.