



SAFETY DATA SHEET

BRAKE CLEANER

Page 1

Issued: 07/09/2004

Revision No: 1

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

Product name: BRAKE CLEANER

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: HEPTANE 70-90%

EINECS: 205-563-8 CAS: 142-82-5

[F] R11; [Xi] R38; [N] R50/53; [Xn] R65; [-] R67

- PROPAN-2-OL 10-30%

EINECS: 200-661-7 CAS: 67-63-0

[F] R11; [Xi] R36; [-] R67

3. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Irritating to skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.

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.

Ingestion: There may be shortness of breath due to congestion of the lungs. Nausea and stomach pain may occur. There may be vomiting. There may be loss of consciousness. Convulsions may occur.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash skin thoroughly with water and remove contaminated clothing. Obtain medical attention if symptoms develop.

Eye contact: Flush eyes with clean water for at least 15 minutes whilst holding eyelids open. Seek medical advice if irritation persists.

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

[cont...]

SAFETY DATA SHEET

BRAKE CLEANER

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: 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.

6. 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 sufficient appropriate absorbent material.

Clean-up procedures: Wash away spillage residues to foul sewer.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Smoking is forbidden. Extinguish any naked flames. Remove ignition sources. Avoid sparks.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: HEPTANE

WEL (8 hr exposure limit): 2100 mg/m³ WEL (15 min exposure limit): 8400 mg/m³

- PROPAN-2-OL

WEL (8 hr exposure limit): 999 mg/m³ WEL (15 min exposure limit): 1250 mg/m³

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

Respiratory protection: Self contained breathing apparatus may be required if handling in a confined space with no ventilation.

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Protective overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Characteristic odour

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Slightly soluble

Boiling point/range°C: 82-89

SAFETY DATA SHEET

BRAKE CLEANER

Flammability limits %: lower: 0.9
upper: 12.0
Flash point°C: <0
Autoflammability°C: 230
Relative density: 0.72

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Hot surfaces. Sources of ignition. Flames. Sparks.
Materials to avoid: Strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: HEPTANE
IVN MUS LD50 222 mg/kg

- PROPAN-2-OL
IVN RAT LD50 1088 mg/kg
ORL MUS LD50 3600 mg/kg
ORL RAT LD50 5045 mg/kg
SCU MUS LDLO 6 gm/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.

12. ECOLOGICAL INFORMATION

Mobility: Volatile. Floats on water.
Other adverse effects: Very toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

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: 1206 **ADR Class:** 3
Shipping name: HEPTANES
Labelling: 3 **Hazard ID no:** 33



SAFETY DATA SHEET

BRAKE CLEANER

IMDG / IMO

UN no: 1206	Class: 3
Packing group: II	EmS: F-E,S-D
Marine pollutant: NO	Labelling: 3

IATA / ICAO

UN no: 1206	Class: 3
Packing group: II	Packing instructions: 307
Labelling: 3	

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.
 Dangerous for the environment.
 Harmful.



Risk phrases: R11: Highly flammable.
 R38: Irritating to skin.
 R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R65: Harmful: may cause lung damage if swallowed.
 R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S2: Keep out of the reach of children.
 S16: Keep away from sources of ignition - No smoking.
 S33: Take precautionary measures against static discharges.
 S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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.

Risk phrases used in s.2: R11: Highly flammable.
 R38: Irritating to skin.
 R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R65: Harmful: may cause lung damage if swallowed.

SAFETY DATA SHEET

BRAKE CLEANER

R67: Vapours may cause drowsiness and dizziness.

R36: Irritating to eyes.

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.