

**SAFETY DATA SHEET**  
LANDROVER SPECIALISED LUBRICANT

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

**Product name:** LANDROVER SPECIALISED LUBRICANT

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

- Ingredient 1:** WHITE SPIRIT 10-30%  
[-] R10; [Xn] R65; [Xi] R66; [-] R67; [N] R51/53;
- Ingredient 2:** MINERAL OIL <10%
- Ingredient 3:** OLEYL HYDROXYETHYL IMIDAZOLINE <10%  
[Xn] R22; [C] R34; [N] R50/53;
- Ingredient 4:** N-OLEOYL SARCOSINE <10%  
[Xi] R36/38; [N] R50/53;
- Ingredient 5:** BUTANE 10-30%  
CAS: 106-97-8  
EINECS: 203-448-7  
[F+] R12;
- Ingredient 6:** PROPANE 10-30%  
CAS: 74-98-6  
EINECS: 200-827-9  
[F+] R12;

**3. HAZARDS IDENTIFICATION**

**Main hazards:** Extremely flammable.

**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.
- Eye contact:** There may be irritation and redness.
- Ingestion:** It is unlikely that this substance will be swallowed due to its physical properties.
- Inhalation:** Drowsiness or mental confusion may occur. Exposure may cause coughing or wheezing. There may be loss of consciousness.

**4. FIRST AID MEASURES (ACTION)**

**Skin contact:** Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

[cont...]

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Do not induce vomiting. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. Transfer to hospital as soon as possible.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide. Alcohol resistant foam.

**Exposure hazards:** Extremely flammable. 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:** 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.

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a suitable container.

## 7. HANDLING AND STORAGE

**Handling requirements:** Ensure there is sufficient ventilation of the area. Smoking is forbidden.

**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Aerosol

**Colour:** Gold-brown

**Odour:** Characteristic odour

**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 and carbon monoxide.

**11. TOXICOLOGICAL INFORMATION****Effects of exposure:** Drowsiness.**12. ECOLOGICAL INFORMATION****Mobility:** Insoluble in water.**13. DISPOSAL CONSIDERATIONS****Waste disposal:** 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**Labelling:** 2**Shipping name:** AEROSOLS**IMDG / IMO****UN no:** 1950**Class:** 2**EmS:** 2-13**Marine pollutant:** .**Labelling:** 2**IATA / ICAO****UN no:** 1950**Class:** 2**Labelling:** 2**15. REGULATORY INFORMATION****Hazard symbols:** Extremely flammable.**Risk phrases:** R12: Extremely flammable.**Safety phrases:** S2: Keep out of the reach of children.

S23: Do not breathe vapour/spray.

S16: Keep away from sources of ignition - No smoking.

S51: Use only in well-ventilated areas.

**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. ADDITIONAL INFORMATION****Risk phrases used in s.2:** R10: Flammable.

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R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R22: Harmful if swallowed.

R34: Causes burns.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R36/38: Irritating to eyes and skin.

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.