

## SAFETY DATA SHEET

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

Product name: **LUBE**  
 Supplier: MMP-International, Division  
 of ITW Ltd.  
 Brunel Close, Park Farm  
 Ind Est,  
 Wellingborough, Northants,  
 NN8 6QX

Emergency telephone number: +44 (0) 1933 670870  
 Fax No: +44 (0) 1933 670800

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

## Identification of the preparation

Chemical Name	CAS-No	EEC-No	Class	Weight %
PROPANE	74-98-6	601-003-00-5	F+; R12	10-30
BUTANE	106-97-8	601-004-00-0	F+; R12	1-10

## 3. HAZARDS IDENTIFICATION

Most important hazards: Extremely flammable.

## 4. FIRST AID MEASURES

Inhalation: Move to fresh air, Consult a physician after significant exposure.  
 Skin contact: Remove immediately adhering matter. Wash off immediately with soap and plenty of water, If skin irritation persists, call a physician.  
 Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 Ingestion: Call a physician immediately, Do not induce vomiting.

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: alcohol-resistant foam, Carbon Dioxide (CO<sub>2</sub>), dry powder, Water spray.

Specific hazards: In case of fire and/or explosion do not breathe fumes.

Special protective equipment for firefighters: In case of fire, wear a self contained breathing apparatus, protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not breath vapours or spray mist.  
 Environmental precautions: Do not let product enter drains.  
 Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Transfer to covered steel drums.

## 7. HANDLING AND STORAGE

Handling: Use only in well-ventilated areas. Keep away from heat and sources of ignition.  
 Storage: Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: National occupational exposure limits (Ref: British COSHH - EH40):  
 PROPANE no data available  
 BUTANE 600ppm

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Engineering measures to reduce exposure      Ensure adequate ventilation, especially in confined areas..

- Respiratory protection:      Breathing apparatus with filter.
- Hand protection:      gloves 9 (Advice should be sought on the type of gloves) .
- Eye protection:      safety glasses.
- Skin and body protection:      protective suit.

Hygiene measures:

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form:	liquid - aerosol	Colour:		Odour:	none
pH:	g/l H <sub>2</sub> O)	N/A			
Boiling point/range:		>250	°C		
Flash point:		N/A	°C		
Autoignition temperature:		>400	°C		
Flammability (solid, gas):		LEL 0.8 (% vol in air at 25°C), UEL 9.0			
Explosive properties:		None			
Oxidizing properties:		None			
Vapour pressure:		2.41 Bar			

**10. STABILITY AND REACTIVITY**

Stability:      Stable

Conditions to avoid:      Keep away from heat and sources of ignition.

Materials to avoid:      oxidizing agents, strong acids, strong bases.

Hazardous decomposition products:      Carbon monoxide, Carbon Dioxide (CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>).

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity:      Components of the product may be absorbed into the body by inhalation, ingestion and through the skin.

Local effects:      May be harmful by inhalation, ingestion, skin adsorption. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Sensitization:      May cause skin irritation and/or dermatitis.

Long term toxicity:      Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Repeated or prolonged exposure:      Danger of serious damage to health by prolonged exposure, to the renal / Central nervous system.

**12. ECOLOGICAL INFORMATION**

Mobility:      Do not allow material to contaminate ground water system.

Persistence / degradability:      Aquatic toxicity is unlikely due to low solubility.

**13. DISPOSAL CONSIDERATIONS**

Waste from residues / unused products:

Contaminated packaging:      Empty containers can be landfilled after cleaning, when in compliance with local regulations.

European waste Catalogue No:      **08 04 99**

**14. TRANSPORT INFORMATION**

Proper shipping name:      Aerosol

UN-No:      1950

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ADR/RID Class:	2	HI/UN No:	1950
IMO Class:	2		
Proper shipping name:	Aerosol		
ICAO Class:	2	UN/ID No:	1950
Proper shipping name:	Aerosol		

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#### 15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 93/21/EEC

- Contains: PROPANE, BUTANE.
- Symbol(s):



F+ -  
Extremely  
flammable

R -phrase(s): R12 - Extremely flammable..

S -phrase(s): S2 - Keep out of reach of children. S 9 - Keep container in a well-ventilated place.  
S16 - Keep away from sources of ignition - No smoking.. S33 - Take precautionary measures against static discharges.

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#### 16. OTHER INFORMATION

Recommended use:

Recommended restrictions:

When used in a mixture, read the labels and safety data sheets of all components.

Revision date: 10/07/2002

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication