

## SAFETY DATA SHEET

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

Product name: **Tribol Q-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 %
BUTANE	106-97-8	601-004-00-0	F+; R12	10-30
PROPANE	74-98-6	601-003-00-5	F+; R12	10-30
HEPTANE	142-82-5	601-008-00-2	F; R11	5-10

## 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):

Product name: Tribol Q-Lube

PRINT DATE: 31/07/2002

REF: T26

BUTANE	600ppm
PROPANE	Asphyxiant
HEPTANE	500ppm

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:	Grease	Colour:	copper	Odour:	hydrocarbon-like
pH:	g/l H <sub>2</sub> O)	N/A			
Boiling point/range:		71	°C		
Flash point:		-40	°C		
Melting point/range:		<0	°C		
Autoignition temperature:		>230	°C		
Flammability (solid, gas):		LEL 0.8 (% vol in air at 25°C), UEL 9.0			
Explosive properties:		None			
Oxidizing properties:		None			
Vapour pressure:		2.75 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. Aliphatic Hydrocarbon Solvent Blend: LD50/oral/rat = >5g/kg
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:

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

European waste Catalogue No: 08 04 99

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#### 14. TRANSPORT INFORMATION

Proper shipping name: Aerosol  
UN-No: 1950  
ADR/RID Class: 2  
HI/UN No: 1950  
IMO Class: 2  
EmS: 2-13  
Proper shipping name: Aerosol  
ICAO Class: 2.1  
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, HEPTANE.
- 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.. S23 - Do not breathe vapour. S29 - Do not empty into drains. 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: 11/07/2002

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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