

Tough Lube Bio - Aerosol**1. IDENTIFICATION OF THE SUBSTANCE/ USE/ COMPANY DETAILS**

Trade Name: Tough Lube Bio
Company Identification: Brit-Lube Limited
Units 2 & 3 Mayfield Industrial Estate
Liverpool Road
Irlam
Manchester, M44 6GD
Tel: +44(0)161 777 9970
Fax: +44(0)161 777 9980
info@brit-lube.com
Type of product: Aerosol Spray
Use: Lubricant

2. HAZARDS IDENTIFICATION

Classification under CLP: Flam Aerosol 1: H222; Extremely Flammable Aerosol
H229; Pressurised container may burst if heated

Label elements:

Signal word: Danger

Hazard Statements: H222; Extremely Flammable Aerosol
H229; Pressurised container may burst if heated

Pictograms: GHS02: Flame
GHS07: Skin Irritant



Precautionary statements: P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50°C
P251: Do not pierce or burn, even after use
P210: Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking
P211: Do not spray on an open flame or other sources of ignition
P285: In case of inadequate ventilation wear respiratory protection.
P501: Dispose of contents/ container to local / national regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Description:

Premium quality Bio-degradable grease and base oil and incorporating solid lubricating additives including graphite.

Hazardous Ingredients	EINECS	CAS No.	CLP Class	Percentage
Hydrocarbon Aerosols propellant	270-704-2	68476-85-7	Flam Gas 1: H220; Press Gas: H280	10-30 %

4. FIRST AID MEASURES

Inhalation	Use in a well ventilated area.
Skin Contact	Wash skin thoroughly with mild soap and water. Obtain medical attention if discomfort continues
Eye Contact	Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.
Ingestion	Do not induce vomiting. Obtain medical attention

5. FIRE FIGHTING MEASURES

Extinguishing Media	Alcohol resistant foam, Powder, Sand, carbon dioxide
Unsuitable extinguishing media	Do not use high pressure water
Surrounding Fires	Use water spray to cool containers
Specific Hazards	Under fire conditions, hazardous fumes will be present
Protection for Fire-Fighters	Do not enter fire area without Proper Protective Equipment, including respiratory equipment.
Special procedures	Exercise caution when entering any lubricant or chemical fire.

6. ACCIDENTAL RELEASE MEASURES

General Precautions	May be slippery if spilled. Remove from ignition sources. Do not breathe fumes or vapours from decomposition.
Personal Precautions	Avoid contact with skin and eyes. Clean up crews should wear proper protective equipment.
Environmental Precautions	Prevent entry to sewers and public water ways. Notify authorities if product enters sewers or public waters
Clean up methods	Absorb into dry earth or sand. Transfer into appropriate container.

7. HANDLING AND STORAGE

GENERAL	Ensure there is adequate ventilation. Avoid all unnecessary exposure to naked flames or potential fire risks. No Smoking.
STORAGE	Store in tightly sealed containers, away from heat, sparks, open flames. Store in cool, dry well ventilated areas.
HANDLING	Ensure prompt removal from eyes, skin, clothing. Wash hands and other exposed areas with mild soap and water before you eat, drink or smoke, leave work. Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Ingredients:

Name	Cas No.	TWA – 8 hrs	15 min. STEL
Hydrocarbon Aerosol Propellant	68476-85-7	1000ppm 1750mg/m ³	1250ppm 2180 mg/m ³

PERSONAL PROTECTION

Respiratory Protection	No special respiratory protection equipment is recommended under normal conditions of use.
Hand Protection	Wear Barrier Cream, if repeated or prolonged contact wear protective clothes
Skin Protection	In the case of possible repeated skin contact wear protective clothing. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash if skin becomes contaminated. Remove any clothing that becomes contaminated
Eye Protection	Eye protection is only necessary where product could be splashed or sprayed
Ingestion	When using do not eat, drink or smoke

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20°C	Aerosol
Colour	Black
Odour	Characteristic
Relative Density	0.90 - 1.01
Evaporation Rate	Fast
Oxidising	Non Oxidising (EU Criteria)
Solubility in Water	Soluble in water
Flash Point	>200°C
Biodegradability	Readily Bio-Degradable

10. STABILITY AND REACTIVITY

Hazardous decomposition products	Combustion will generate smoke, carbon monoxide, carbon dioxide
Hazardous reactions	None under normal conditions.
Hazardous properties	None under normal conditions.
Materials to avoid	Strong oxidizing agents, strong acids, strong alkalis
Conditions to avoid	Naked flames, fires

11. TOXICOLOGICAL INFORMATION

Inhalation	Not expected to prevent a significant inhalation hazard under anticipated conditions of normal use. Inhalation of mists or vapours at elevated temperatures may cause respiratory irritation and coughing
Dermal	Repeated or prolonged exposure may irritate skin.
Ocular	Spray and vapour in the eyes may cause irritation.
Ingestion	Gastrointestinal Irritation: Symptoms may include pain, stomach upset, nausea, vomiting & diarrhea.

12. ECOLOGICAL INFORMATION

On Product	Non Volatile. Prevent entry to sewers and public water ways.
Ecological Effects	Soluble in water, may spread in water systems
Bio-accumulation	Product is Readily Biodegradable

13. DISPOSAL CONSIDERATIONS

General	Dispose of in a safe manner in accordance with local/national regulations
Disposal method	In accordance with local/national regulations may be taken to waste disposal site.
Disposal of used packaging	Use a licensed waste disposal contractor.

14. TRANSPORT INFORMATION

General Information	UN1950
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15. REGULATORY INFORMATION

Precautionary Phrase(s)	P261 - Avoid breathing vapour P304 + P340 – If inhaled: remove victim to fresh air
S Phrase(s)	H222; Extremely Flammable Aerosol H229; Pressurised container may burst if heated
Label Phrases	Avoid contact with eyes. If in contact with eyes rinse immediately with plenty of water. Seek medical assistance if symptoms persist. Dispose of in accordance with local/ national regulations

16. OTHER INFORMATION

Product Use:	For Industrial use only. Lubricant
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The contents and format are in accordance with the following directives:

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 453/2010 & Council Directive 75/324/EEC relating to Aerosol dispensers
EC Directive 91/155/EEC defining the laying down and detailing of specific information relating to Dangerous Preparations Directive – 2001/58/EC.
EC Directive 88/379/EEC relating to the classification, packaging and labeling of dangerous preparations.
Compiled in accordance with REACH

DISCLAIMER OF LIABILITY:

To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user. The conditions of handling, storage, use or disposal of the product are beyond our control. For this and other reasons, we do not assume responsibility and expressly disclaim any liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. This MSDS was prepared solely for the product stated and should not be used for any other product.

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