

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product: **MEDLUBE**

Recommended Uses: Anti-bacterial lubricant for rubber ring jointed water mains and drainage pipes.

Company Details (NZ Manufacturer)

Company: Fraser Brown & Stratmore Limited

Address: 185 Rata Street, Naenae, Lower Hutt

Contact Details: Ph: 0800 835 699, Fax: 0800 342 737

Emergency Contact: Poisons & Hazardous Chemicals: 0800 POISON / 0800 764766

2. HAZARDS IDENTIFICATION

The primary exposure route for this product is through eye & skin contact.

HSNO Hazard classification

- 3.1D Flammable liquid – low hazard
- 6.1E Substances that are acutely toxic (oral)
- 8.3A Substances that are corrosive to ocular tissue
- 9.1A Substances that are very ecotoxic in the aquatic environment.



Hazard Statements:

Danger: Causes serious eye damage.

May be harmful if swallowed.

Causes slight skin defatting with prolonged contact. May cause skin irritation or sensitisation with prolonged and/or repeated contact.

Combustible liquid

Warning: Very toxic to aquatic life.

Prevention Precautionary Statements

- Keep out of reach of children.
- Read label before use.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves and eye protection.
- Wash hands after use.
- In case of fire: Use dry chemical or foam.
- Store in a well-ventilated place. Keep cool.
- Avoid release to the environment. Collect spillage.

3. COMPOSITION

Name	CAS Number	Content
Ethyl Alcohol	64-17-5	<6%
Trimethyltetradecylammonium bromide	1119-97-7	5 - 8%
Non-hazardous ingredients	—	to 100%

4. FIRST AID MEASURES

FIRST AID:

INHALATION	No specific measures. Move to fresh air if feeling unwell.
SWALLOWED	No specific treatment. Immediately rinse mouth and drink plenty of water. Do not induce vomiting. If feeling unwell, seek medical advice/attention or contact poison centre – Poisons and Hazardous Chemicals 0800 POISON (764 766)
EYE CONTACT	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Continue rinsing.
SKIN CONTACT	Will cause slight defatting for continuous and prolonged contact. For prolonged use, wear gloves and follow with hand cream. Wash hands well after use. In case of eczema or other skin disorder, seek medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT >60 °C. Potentially flammable vapours may be evolved if heated above 60°C.

UNUSUAL OR EXPLOSIVE HAZARDS: None

SPECIAL FIREFIGHTING PROCEDURES AND UNUSUAL FIRE AND EXPLOSION HAZARDS

During fire, gases hazardous to health may be formed.

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

HAZARDOUS COMBUSTION PRODUCTS

Potentially carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN WHEN MATERIAL IS SPILLED OR RELEASED

As this product is a lubricant, spills must be cleaned up quickly. Cordon off area where spill occurred. Stop pedestrian and vehicular traffic until spill is cleaned up. Scrape up solid material and store in plastic container. Thoroughly clean area where spill occurred with water and use a water blaster or manual scrubbing until no residue left.

ENVIRONMENTAL INFORMATION

As this product is 100% soluble in water, large amounts may be toxic to aquatic organisms. Absorb any run-off from cleaning spills with non-combustible, absorbent material and dispose appropriately.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes. If eye contact occurs, immediately rinse with water per First Aid Measures.

CONDITIONS FOR SAFE STORAGE

Keep out of reach of children. Store locked up.

Store in a cool, well-ventilated location (15-25 degrees C).

Keep container tightly closed when not being used.

MATERIALS TO AVOID

None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE STANDARDS

TWA None Established

STEL None Established

ENGINEERING CONTROLS

A supply of clean water is required in case of eye contact.

PROTECTIVE GLOVES & CLOTHING

Wear PVC gloves, impervious to chemicals, preferably long, for prolonged contact. Protective clothing is not normally required.

EYE PROTECTION

Not generally necessary under normal use. If contact with eyes possible; wear eye goggles.

OTHER PROTECTION

No special requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR DENSITY (Air = 1)	Not determined
SOLUBILITY IN WATER	100%
FREEZING POINT	<0°C
SPECIFIC GRAVITY	1.0
VISCOSITY	Gel
APPEARANCE AND ODOUR	Soft, off-white, virtually odourless.
VOC:	61g/L
FLASH POINT	>60°C. Potentially flammable vapours may be evolved if heated above 60°C.

10. STABILITY AND REACTIVITY

STABILITY

Stable.

MATERIALS TO AVOID

Avoid strong oxidising substances e.g.: nitrates, oxidizing acids, chlorine bleaches, pool chlorine etc

HAZARDOUS COMBUSTION PRODUCTS

Will not form hazardous decomposition products during normal storage or use. If heated above 200°C, components of this product can release alkyl bromides.

HAZARDOUS REACTIONS

Stable under normal use conditions.

11. TOXICOLOGICAL INFORMATION

INGESTION	Not expected to cause adverse health effects for small amounts. May cause stomach pain, vomiting and diarrhoea for larger quantities. The material can produce chemical burns within the oral cavity and gastrointestinal tract following ingestion. LD50 >4500mg/kg.
INHALATION	Not irritating under normal use.
CONTACT	May cause skin defatting following prolonged exposure. Repeated or prolonged contact with skin may cause allergic reactions in sensitive individuals and can

cause degreasing with drying, cracking and dermatitis following. Severely irritating to the eye – may cause burns or damage. Avoid all eye contact.

CARCINOGENICITY Not a carcinogen.
TOXICITY TO REPRODUCTION: Does not impair fertility.
MUTAGENICITY Not a mutagenic hazard.

CHRONIC HEALTH EFFECTS

Prolonged skin contact may result in defatting and irritation. Treat as a strong bactericide.

12. ECOLOGICAL INFORMATION

Expected to be very toxic to aquatic organisms in large quantities (Trimethyltetradecylammonium bromide in isolation is very toxic to aquatic organisms). Readily and completely soluble in water. Avoid uncontrolled release to environment. If spilt, contain spillage.

Biological degradation Expected to be biodegradable.
Bioaccumulation Not expected to be bioaccumulable.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Recover and recycle if possible.

Waste material can be disposed of by diluting with water (1 part Medlube to 20 parts water) and releasing to sewer, or in general landfill waste. Dispose of in accordance with local rules. Be aware that local requirements may differ widely depending on location and may in many cases be different from national rules.

14. TRANSPORT INFORMATION

UN NUMBER 3082
HAZARD CLASS: 9
PROPER SHIPPING NAME ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
HAZCHEM 2X
PACKING GROUP III

15. REGULATORY INFORMATION

HSNO Approval number: HSR002530
Group Standard: Cleaning Products (Subsidiary Hazard) Group Standard 2006
Approved Handler Not required.
Tracking Not required.

Although this product is classified as 9.1A (ecotoxic), the chemical component that triggers this classification does not require an approved handler nor to be tracked.

16. OTHER INFORMATION

Date of Issue: September 2014

Supersedes Date: August 2014

IMPORTANT NOTICE:

Literary reference

Reason(s) For Issue: Revised

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Fraser Brown & Stratmore Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.