



waterware

54 Stonedon Drive
PO Box 58 776
East Tamaki
Auckland
Ph: 09 273 9191
Fax: 09 273 9194
sales@waterware.co.nz

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product: **MEDLUBE**

Recommended Uses: Bacterial lubricant for rubber ring jointed water mains and drainage pipes.

Company Details (NZ Distributor)

Company:

Address:

Contact Details:

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

2. HAZARDS IDENTIFICATION

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

Hazard information:

Danger: Causes serious eye damage.

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

Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Wash hands after use. Avoid release to the environment. Collect spillage.



3. COMPOSITION

Name	CAS Number	Content
Ethyl Alcohol	64-17-5	<6%
Trimethyltetradecylammonium bromide	1119-97-7	2 – 5%
Dodecyltrimethylammonium bromide	1119-94-4	<1%
Propan-2-ol	200-661-7	<1%
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, 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 Not flammable

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 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.

10. STABILITY AND REACTIVITY

STABILITY

Stable.

MATERIALS TO AVOID

Avoid strong oxidising substances.

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	Practically non-toxic. Not expected to cause adverse health effects for small amounts. May cause stomach pain, vomiting and diarrhoea for larger quantities. 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. 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 (Dodecyltrimethylammomium and Trimethyltetradecylammonium bromide in isolation are 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
HSNO Substance classification	6.1E, 8.3A, 9.1A
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:	May 2012
Supercedes Date:	July 2011

Legend



Warning



Danger – corrosive to eyes

IMPORTANT NOTICE:

The above information is intended for the assistance of end users with respect to health, safety and environmental requirements. Each user should read the MSDS and consider the data in context with how the product will be used/applied. It is based on data and information believed to be reliable but because the conditions under which, and the materials with which our products are used, are beyond our control this information must not be regarded as amounting to legal warranty or as involving any liability on us. No guarantee is expressed or implied regarding the accuracy of the data.