

Safety Data Sheet

Hazardous Substance, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **MEDLUBE**

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

Supplier: Stratmore Construction Solutions Limited
Street Address: 185 Rata Street
Naenae, Lower Hutt
New Zealand
Telephone: 0800 835 699
Facsimile: 0800 342 737

Emergency telephone number: 0800 POISON / 0800 764 766

2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of EPA New Zealand



Signal Word

Danger

HSNO Hazard Classification

3.1D Combustible liquid
6.1E Substances that are acutely toxic
6.5B Substances that are contact sensitisers
8.2C Substances that are corrosive to dermal tissue
8.3A Substances that are corrosive to ocular tissue
9.1A Substances that are very ecotoxic in the aquatic environment

Hazard Statement(s)

H227 Combustible liquid
H303 May be harmful if swallowed
H314 Causes skin burns
H317 May cause an allergic skin reaction

H318 Causes serious eye damage
H410 Very toxic to aquatic life with long lasting effects

Prevention Precautionary Statement(s)

P101 If medical advice is needed: Have product container or label at hand
P102 Keep out of reach of children
P103 Read label before use
P210 Keep away from flames and hot surfaces
P264 Wash hands thoroughly after handling
P272: Contaminated work clothing should not be allowed out of the workplace

Response Precautionary Statement(s)

P101 If medical advice is needed, have product container or label at hand
P363 Wash contaminated clothing before reuse
P280 Wear protective gloves & eye protection
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P310 Immediately call a POISON CENTER or doctor/physician
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P333+P313: If skin irritation or rash occurs: Get medical advice/attention
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P370+P378 In case of fire: Use dry chemical or foam

Storage Precautionary Statement(s)

P403+P235 Store in a well-ventilated place. Keep cool
P405 Store locked up

Disposal Precautionary Statement(s)

P501 Dispose of contents/container in accordance with local, regional, national and international regulations

Classified as Dangerous Goods by the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Class: 9 Miscellaneous Dangerous Goods

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS Number	CONTENT
Ethyl Alcohol	64-17-5	<6%
Trimethyltetradecylammonium bromide	1119-97-7	5 - 8%
Ingredients determined to be non-hazardous	—	Balance
		100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (pH: 0800 764 766).

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 at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Continue rinsing.
SKIN CONTACT	Wash hands well after use in clean water (with soap if required). In case of eczema or other skin disorder, seek medical attention. Will cause slight defatting for continuous and prolonged contact. Wear protective gloves and follow with hand cream after use.

PPE for First Aiders: Wear overalls, safety glasses and impervious gloves. Available information suggests that gloves made from nitrile rubber/PVC should be suitable for contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Notes to physician: Treat symptomatically.

For exposures to quaternary ammonium compounds:

For ingestion of a significant amount of product: Swallow promptly a large quantity of milk, egg whites/gelatin solution. If not readily available, a slurry of activated charcoal may be useful. Avoid alcohol.

For smaller quantities: If little or no emesis appears spontaneously, administer syrup of Ipecac or perform gastric lavage.

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 (such as sand or vermiculite) and dispose appropriately. Prevent spillage from entering drains or water courses.

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

Segregate from alkalis, oxidising agents and chemicals readily decomposed by acids e.g. sulphides, carbonates. Avoid reaction with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc.

This material is classified as a Dangerous Good Class Miscellaneous Substance (Ecotoxic) as per the criteria of the New Zealand NZS 5433: Transport of Dangerous Goods on Land and must be stored in accordance with the relevant regulations.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

NATIONAL OCCUPATIONAL EXPOSURE LIMITS:

No value assigned for this specific material by the Department of Labour New Zealand.

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 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

Wear overalls, safety glasses and impervious gloves. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

No special requirements.

PERSONAL PROTECTION EQUIPMENT:

OVERALLS, SAFETY GLASSES, GLOVES.

HYGIENE MEASURES:

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid skin and eye contact. Ensure that eyewash stations and safety showers are close to the workstation location.

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

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

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.
EYE CONTACT	Severely irritating to the eye – may cause chemical burns or damage following direct contact. Avoid all eye contact.
SKIN CONTACT:	May cause chemical burns following 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. Open cuts, abraded or irritated skin should not be exposed to this product.

CHRONIC HEALTH EFFECTS

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

Ingestion: This material has been classified as a 6.1E hazardous substance.

Corrosion/Irritancy: Eye: this material has been classified as 8.3A (Causes Eye Burns). Skin: this material has been classified as 8.2C (Corrosive to skin).

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as 6.5B (Skin sensitiser).

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as 9.1A (Very ecotoxic in the aquatic environment).

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.

Ecotoxicity: No information available.

Persistence and degradability: Biological degradation: Expected to be biodegradable.

Bioaccumulative potential: Not expected to be bioaccumulable.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Recover and recycle if possible.

Waste material can be disposed of by diluting with water (1 part Medlube to minimum 20 parts water) and releasing to sewer, or in general landfill waste. Undiluted material must be considered hazardous waste. Product may be incinerated in an approved incinerator according to local regulations. 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:	HSR002526
Group Standard:	Cleaning Products (Corrosive Hazard) Group Standard 2006
Approved Handler	Not required.
Tracking	Not required.

16. OTHER INFORMATION

Literary reference

Reason(s) For Issue: Change of company name & 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 Stratmore Construction Solutions 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.