



Trusted Aerosol Performance

SAFETY DATA SHEET

Section 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Lube 4 Penetrene Bulk FG44 (Food Grade)
Product Code: 7248 5L, 7249 20L and 7240 200L
Uses: Food grade lubricant and penetrant.
Company: Chemz Ltd
Address: 80 Rangitane Place
Whakatu, Hastings
Telephone: +64 6 877 9690
Email: info@chemz.co.nz
Emergency Number 24 hr: 0800 764 766 (0800 POISON) NZ National Poison Centre

Section 2 – HAZARDS IDENTIFICATION

Classification of the product

Considered as a hazardous substance according to the Hazardous Substance (Minimum Degrees of Hazard) Regulations NZ.
Not classified as a dangerous goods for transport purposes.

GHS Classifications:

Aspiration Hazard Category 1

HSNO Classifications:

6.1E Acutely toxic (aspiration)



Signal Words: Danger

Hazard Statements

H304 May be fatal if swallowed and enters airways.

Section 3 – COMPOSITION INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS No.	Proportion, % m/m
White Mineral Oil, Refined	8042-47-5	> 60
Other ingredients determined to not be hazardous	-	to 100%

Section 4 – FIRST AID MEASURES

If medical advice is needed, have product container or label at hand.

If exposed or if you feel unwell: Call a POISON CENTRE (0800 764 766) or doctor.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTRE or doctor. Do NOT induce vomiting. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs. Obtain immediate medical attention.

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

Inhalation: IF INHALED: Not likely to occur except as a mist. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.



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Skin contact: IF ON SKIN: Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice.

Notes to physician: Treat symptomatically and supportively. No specific antidote.

Section 5 – FIRE-FIGHTING MEASURES

Specific hazards: Product is a combustible liquid. May float on surface of water.

Further advice: On burning may emit toxic fumes including those of carbon monoxide and carbon dioxide. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion.

Extinguishing media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

For large fires, use water spray, fog, or foam. Water may cause frothing and spattering. Do not use water jets as this may spread the fire. Do not discharge extinguishing waters into the aquatic environment.

Hazchem Code: None.

Section 6 – ACCIDENTAL RELEASE MEASURES

Minor spills: Clean up immediately. Eliminate sources of ignition. Particular danger of slipping on spilled product.

Major spills: Evacuate the spill area. Call the Fire Brigade. Move fire exposed containers away from fire area if it can be done without risk. If safe to do so, prevent spillage from entering drains or water courses. If material enters drains, advise emergency services. Use absorbent (soil, sand or other inert material). Avoid using sawdust. Collect and seal in properly labeled containers for disposal. Particular danger of slipping on spilled product.

Section 7 – HANDLING AND STORAGE

Handling Precautions: Read product label before use. Keep out of reach of children.

This product is combustible. Prevent formation of oil mists. Avoid breathing oil mists. Avoid release to the environment. Wash hands with soap and water after handling.

Storage: Store in a well ventilated, cool, dry place. Keep container tightly closed when not in use. Store locked up.

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: No value assigned for product. Exposure standards for constituents (NZ WES);

Material	TWA, mg/m ³	STEL, mg/m ³
Mineral Oil (oil mist)	5	10

Additional Information: Wash hands before eating, drinking and smoking.

Engineering Controls: No controls generally required when handling. General exhaust is adequate under normal operating conditions.

Protective Equipment: In an industrial environment: gloves, safety glasses or chemical goggles and protective gloves are recommended. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

In case of inadequate ventilation wear respiratory protection. If TWA is exceeded, wear an approved respirator with a type A filter.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Clear, colourless oily liquid.

pH: No data available.

Vapour Density: No data available.

Vapour Pressure, kPa: < 0.01 @ 20°C



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Boiling Point, °C:	No data available.
Melting Point, °C:	No data available.
Specific Gravity:	About 0.83
Viscosity, mm²/s at 40°C:	14 - 17
Flash Point, °C:	> 160
Explosion Limit, % v/v:	LEL N/A UEL N/A
Autoignition Temp, °C:	No data available.
Solubility:	Not soluble in water.

Section 10 – STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use. Not reactive. Avoid oxidisers. Avoid elevated temperatures.

Section 11 – TOXICOLOGICAL INFORMATION

Basis for Assessment:	Information given is based on product testing, and/or similar products, and/or components.
Acute Oral Toxicity:	Low toxicity: LD ₅₀ of mixture calculated to be > 5,000 mg/kg, Rat.
Acute Dermal Toxicity:	Low toxicity: LD ₅₀ of mixture calculated to be > 2000 mg/kg, Rabbit.
Acute Inhalation Toxicity:	LC ₅₀ of mixture calculated to be > 5 mg/L, Rat 4 hours
Skin Irritation:	Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.
Eye Irritation:	Contact with eyes is mildly irritating causing short term discomfort. Avoid contact with eyes.
Respiratory Irritation:	Prolonged inhalation of oil mists may cause irritation to the nose and throat. Aspiration hazard.
Sensitisation:	Not expected to be a sensitiser.
Mutagenicity:	Not expected to be mutagenic.
Carcinogenicity:	Not expected to be a known or presumed carcinogen.
Reproductive toxicity:	Not expected to be a human reproductive toxicant.
Effects on or via lactation:	Not expected to be toxic effects on or via lactation.
Specific Target Organ Toxicity:	Not expected to be harmful to human target organs or systems.
STOT (Narcotic):	Not expected to be narcotic.
Repeated Dose Toxicity:	Prolonged contact with product may result in irritant contact dermatitis.
Additional Information:	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

Section 12 – ECOTOXICITY INFORMATION

Ecotoxicity:	Product may be slightly harmful to aquatic organisms. Acute toxicity to fish is expected to be > 100mg/L; which is considered as low acute toxicity.
Mobility:	Insoluble in water and not volatile. In soil, shows little mobility and absorption is the predominant physical process.
Persistence/degradability:	Readily biodegradable, OECD 301B test - 67% based on similarly tested materials.
Bioaccumulation:	May bioaccumulate but the bioavailability / lower solubility may reduce this potential.



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Section 13 – DISPOSAL CONSIDERATIONS

- Material Disposal:** Product wastes should be disposed of in accordance with applicable regulations. Do not dispose into the environment, in landfill, in drains or in water courses. Waste product should not be allowed to contaminate soil or water.
- Larger quantities should be handled by a suitable disposal facility. Incineration in an authorised facility is suggested.
- Container Disposal:** Recycle empty container if possible in an approved recycling stream. Containers are considered wastes of the same class as the contents and should be disposed of in accordance with applicable regulations.

Section 14 – TRANSPORT INFORMATION

- Transport:** Not classified as a Dangerous Good for transport purposes.
- Proper Shipping Name:** Mineral Oil (Lube 4 Penetrene).
- UN Number:** Not applicable.
- Dangerous Goods Class:** Not applicable.
- Transport Labels Required:** Not applicable.
- Subsidiary Risk:** Not applicable.
- Packing Group:** Not applicable.
- Marine Pollutant:** No.
- EMS Number** Not applicable.
- DG Segregation:** This product is not classified as a Dangerous Goods.

Section 15 – REGULATORY INFORMATION

- Inventory Listing:** All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC).
- SDS regulations** This Safety Data Sheet was prepared in accordance with the EPA Hazardous Substances (Safety Data Sheets) Notice 2017 (Consolidated 30 September 2022).
- EPA Approval Number:** HSR002605 Lubricants (Low Hazard) Group Standard 2020
- EPA Hsno Controls:** Refer to www.epa.govt.nz for information on Controls.
This substance is to be managed using the conditions specified in an applicable Group Standard.

Section 16 – OTHER INFORMATION

- Additional information** Personal Protective Equipment Guidelines: The recommendation for protective equipment contained is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.
- Health Effects from Exposure: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.
- Abbreviations**
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|------|--|
| CAS | Chemical Abstract Service number |
| EMS | Emergency Response Procedures for Ships Carrying Dangerous Goods |
| EPA | Environmental Protection Agency (New Zealand) |
| GHS | Globally Harmonized System |
| IARC | International Agency for Research on Cancer |



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IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC ₅₀	Lethal Concentration, 50% / Median Lethal Concentration
LD ₅₀	Lethal Dose, 50% / Median Lethal Dose
LEL	Lower Explosion Limit
mg/m ³	Milligrams per Cubic Metre
NZIoC	New Zealand Inventory of Chemicals
N.O.S.	Not otherwise specified
OEL	Occupational Exposure Limit
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
TLV	Threshold Limit Value
TWA	Time Weighted Average
UEL	Upper Explosion Limit

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Chemz Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact their Chemz representative or Chemz Limited at the contact details on page 1. Chemz Limited's responsibility for the material as sold is subject to the terms and conditions of sale.

End of sds.