

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: MOTORKOTE EXTREME PRESSURE GREASE

Recommended Use of the Chemical and Restriction on Use: Grease

Details of Manufacturer or Importer:

Verditure Trading Co. Pty Ltd
52 Henderson Street
Camp Hill QLD 4152

Phone Number: 07 3395 4705

Emergency telephone number: 1300 138 300

2 . HAZARDS IDENTIFICATION

Hazardous Nature:



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Acute Tox. 5 H303 May be harmful if swallowed.

Label Elements

Signal Word Warning

Hazard Statements

H303 May be harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

P264 Wash hands thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P391 Collect spillage.

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

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3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	<60%
15874-48-3	Phosphorodithioic acid, O,O-dipropyl ester, tris(anhydrosulfide) with thioantimonic acid (H3SbS3) ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319	<10%
1310-66-3	Lithium hydroxide, monohydrate ⚠ Acute Tox. 3, H301; ⚠ Skin Corr. 1B, H314	<3%

Additional information: Hydroxyl containing saturated fatty acids - Proprietary or N/A -<5%

4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, give large amounts of water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Carbon dioxide, dry chemical and foam. Do not use a direct stream of water on burning liquid. Water may cause splattering.

Specific Hazards Arising from the Chemical:

Closed containers may explode when exposed to extreme heat. Use water spray to cool fire exposed containers.

Hazardous combustion products include carbon monoxide and asphyxiants.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing (for large spills). Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

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Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools. Ensure adequate ventilation. Extinguish all sources of ignition. Flush area for trace residue.

7. HANDLING AND STORAGE**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Standards:**

Oil mist:

TWA: 5 mg/m³**Engineering Controls:**

Provide mechanical ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Personal Protective Equipment (PPE):**Respiratory Protection:**

Normally not needed in a well ventilated area. If workplace exposure limit is exceeded, a Safe Work Australia approved air supplied respirator is recommended. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Nitrile or neoprene gloves and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance:**

Form:	Grease
Colour:	Grey, buttery
Odour:	Petroleum odour
Odour Threshold:	Not determined.
pH-Value:	Not determined.
Initial Boiling Point/Boiling Range:	>300 °C
Flash Point:	>200 °C
Flammability:	Combustible
Auto-ignition Temperature:	
Decomposition Temperature:	Not determined.

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Explosion Limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour Pressure at 20 °C:	<0.01 mm Hg
Relative Density:	0.93 g/cm ³
Vapour Density at 20 °C:	>1 g/cm ³
Evaporation Rate at 20 °C:	<1 g/cm ³
Solubility in Water:	Negligible
Partition Coefficient (n-octanol/water):	Not determined.
Viscosity:	No information available
VOC:	Nil

10 . STABILITY AND REACTIVITY

- Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.
- Chemical Stability:** Stable at ambient temperature and under normal conditions of use.
- Conditions to Avoid:** Heat, sparks, open flames and other sources of ignition.
- Incompatible Materials:** Strong oxidising agents.
- Hazardous Decomposition Products:** Oxides of carbon.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:		
15874-48-3 Phosphorodithioic acid, O,O-dipropyl ester, tris(anhydrosulfide) with thioantimonic acid (H3SbS3)		
Oral	LD50	4956 mg/kg (rat)
Dermal	LD50	3936 mg/kg (rabbit)
64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)
1310-66-3 Lithium hydroxide, monohydrate		
Oral	LD50	368 mg/kg (rat)
Dermal	LD50	210 mg/kg (rabbit)

Acute Health Effects

- Inhalation:** May cause nose, throat, and/or respiratory tract irritation.
- Skin:** May cause skin irritation.
- Eye:** May cause eye irritation.
- Ingestion:** Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
- Skin Corrosion / Irritation:** Causes skin irritation.
- Serious Eye Damage / Irritation:** Causes serious eye irritation.
- Respiratory or Skin Sensitisation:** No sensitising effects known.
- Germ Cell Mutagenicity:** Not expected to be a hazard.
- Carcinogenicity:** This product does NOT contain any IARC listed chemicals.
- Reproductive Toxicity:** Not expected to be a hazard.

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Specific Target Organ Toxicity (STOT) - Single Exposure: Not expected to be a hazard.

Specific Target Organ Toxicity (STOT) - Repeated Exposure: Not expected to be a hazard.

Aspiration Hazard:

May be fatal if swallowed and enters airways.

Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

Persistence and Degradability: No information available

Bioaccumulative Potential: No information available

Mobility in Soil: No information available

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number Not applicable

ADG, IMDG, IATA Void

Proper Shipping Name Not applicable

ADG, IMDG, IATA Void

Dangerous Goods Class Not applicable

ADG Class: Void

Packing Group: Not applicable

ADG, IMDG, IATA Void

Marine pollutant: No

Symbol (fish and tree)

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic
15874-48-3	Phosphorodithioic acid, O,O-dipropyl ester, tris(anhydrosulfide) with thioantimonic acid (H3SbS3)
1310-66-3	Lithium hydroxide, monohydrate

16 . OTHER INFORMATION

Creation Date: 30.10.2013

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

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IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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