



SAFETY DATA SHEET

1. Product and company identification

Product name Waterproof Grease
Product code 99540
SDS number 6439

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Recommended use and Limitations on use

Not available.

2. Hazards identification

GHS classification

Physical hazards	Not classified.	
Health hazards	Acute toxicity, inhalation	Category 4 (97.78% of the mixture consists of ingredient(s) of unknown toxicity.) (<@1> % of the mixture consists of component(s) of unknown toxicity.)
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2B
	Sensitisation, skin	Category 1
	Specific target organ toxicity following single exposure	Category 2 (Lung)
	Specific target organ toxicity following repeated exposure	Category 1 (Lung, skin)
Environmental hazards	Hazardous to the aquatic environment, long-term hazard	Category 4 (42.59% of the mixture consists of ingredient(s) of unknown hazards to the aquatic environment.) (<@1> % of the mixture consists of component(s) of unknown hazards to the aquatic environment.)

Label elements

Symbols



Signal word

Danger

Hazard statement

Causes skin irritation. May cause an allergic skin reaction. Causes eye irritation. Harmful if inhaled. Suspected of causing genetic defects. May cause damage to organs (Lung). Causes damage to organs (Lung, skin) through prolonged or repeated exposure. May cause long lasting harmful effects to aquatic life.

Precautionary statement

Prevention	Keep out of reach of children. Read label before use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapour. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area.
Response	If medical advice is needed, have product container or label at hand. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician. Call a POISON CENTRE or doctor/physician if you feel unwell. Specific treatment (see on this label). If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/information on ingredients

Substance or mixture	Mixture	
Chemical property	CAS Number	Concentration (%)
Distillates (petroleum), Hydrotreated Heavy Naphthenic	64742-52-5	0 - < 90
Distillates (petroleum), Hydrotreated Heavy Paraffinic	64742-54-7	0 - < 90
Distillates (petroleum), Hydrotreated Light Paraffinic	64742-55-8	0 - < 90
Distillates (petroleum), Solvent-refined Heavy Paraffinic	64741-88-4	0 - < 90
Barium, Acetate Tallow Fatty Acids Complexes	68201-19-4	1 - < 3
Sulphonic acids, petroleum, sodium salts	68608-26-4	< 0.2
Sulfonic Acids, Petroleum, Sodium Salts		
Other components below reportable levels		10 - < 20

4. First aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTRE or doctor/physician if you feel unwell.
Skin contact	Remove contaminated clothing. Wash off with soap and plenty of water. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation occurs: Get medical advice/attention.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth. Do not induce vomiting. Never give liquid to an unconscious person.
Potential delayed effects	Not available.
Personal protection for first-aid responders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.
Notes to physician	In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

5. Fire-fighting measures

Extinguishing media	Water fog. Foam. Dry powder. Carbon dioxide (CO2).
Extinguishing media to avoid	Do not use water jet as an extinguisher, as this will spread the fire. Water.
HAZCHEM Code Number	None.
Specific hazards during fire fighting	None.
Special fire fighting procedures	None.
Protection of fire-fighters	Water runoff can cause environmental damage.
Hazards from combustion products	May include oxides of Nitrogen. Carbon monoxide and carbon dioxide.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire. Do not touch or walk through spilled material. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering them. Avoid inhalation of vapors or mists. In case of spills, beware of slippery floors and surfaces.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground.

Spill cleanup methods

Remove sources of ignition. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Prevent product from entering drains.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see section 13.

7. Handling and storage

Handling

Precautions

Obtain special instructions before use. Use personal protective equipment as required. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.

Safe handling advice

Do not handle until all safety precautions have been read and understood. Avoid breathing vapour. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Use personal protection recommended in Section 8 of the MSDS.

Prevention of fire and explosion

No specific recommendations.

Storage

Suitable storage conditions

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep out of the reach of children.

Incompatible materials

None known.

Safe packaging materials

Keep in original container.

8. Exposure controls/personal protection

Exposure limits

New Zealand. WES. (Workplace Exposure Standards)

Components	Type	Value	Form
Barium, Acetate Tallow Fatty Acids Complexes (68201-19-4)	TWA	0.5 mg/m3	
Distillates (petroleum), Hydrotreated Heavy Naphthenic (64742-52-5)	STEL	10 mg/m3	Mist.
Distillates (petroleum), Hydrotreated Heavy Paraffinic (64742-54-7)	TWA	5 mg/m3	Mist.
	STEL	10 mg/m3	Mist.
Distillates (petroleum), Hydrotreated Light Paraffinic (64742-55-8)	TWA	5 mg/m3	Mist.
	STEL	10 mg/m3	Mist.
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	TWA	5 mg/m3	Mist.
	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

ACGIH

Components	Type	Value	Form
Distillates (petroleum), Hydrotreated Heavy Naphthenic (64742-52-5)	TWA	5 mg/m3	Inhalable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value
Barium, Acetate Tallow Fatty Acids Complexes (68201-19-4)	TWA	0.5 mg/m3

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Barium, Acetate Tallow Fatty Acids Complexes (68201-19-4)	TWA	0.5 mg/m3

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

Components	Type	Value	Form
Barium, Acetate Tallow Fatty Acids Complexes (68201-19-4)	TWA	0.5 mg/m3	
Distillates (petroleum), Hydrotreated Heavy Naphthenic (64742-52-5)	TWA	5 mg/m3	Mist.
Distillates (petroleum), Hydrotreated Heavy Paraffinic (64742-54-7)	TWA	5 mg/m3	Mist.
Distillates (petroleum), Hydrotreated Light Paraffinic (64742-55-8)	TWA	5 mg/m3	Mist.
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	TWA	5 mg/m3	Mist.

Engineering controls Provide adequate general and local exhaust ventilation.

Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Skin protection Wear suitable protective clothing. Wear protective gloves.

Eye/face protection Avoid contact with eyes. Wear eye/face protection.

Radioactive or thermal hazards Not available.

Hygiene measures Avoid contact with eyes. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Keep away from food and drink. Contaminated work clothing should not be allowed out of the workplace. Handle in accordance with good industrial hygiene and safety practices.

9. Physical and chemical properties**Appearance**

Physical state Liquid.

Form Liquid. Grease Paste.
Liquid. Grease Paste.

Colour Green.
Green.

Odour Mild.
Mild.

pH Not available.

Odour threshold Not available.

Melting point/freezing point Not available.

Boiling point, Initial boiling point, and boiling range 360 °C (680 °F) estimated

Flash point 214.00 °C (417.20 °F) Pensky-Martens Closed Cup

Auto-ignition temperature 260 °C (500 °F) estimated

Flammability (solid, gas) Not available.

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit	Not available.
Vapour pressure	0.000010998 hPa estimated
Density	888.00 kg/m ³
Vapour density	Not available.
Evaporation rate	Not available.
Relative density	Not available.
Solubility	Negligible
Solubility (other)	Oil
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Percent volatile	0.016299 % estimated
Other data	
Flammability class	Combustible IIIB estimated
Flash point class	Combustible IIIB
Specific gravity	0.888
VOC (Weight %)	0.016299 % estimated

10. Stability and reactivity

Stability	Material is stable under normal conditions.
Conditions to avoid	Avoid temperatures exceeding the flash point.
Incompatible materials	None known.
Hazardous decomposition products	Toxic gas. Nitrogen oxides (NO _x). At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

11. Toxicological information

Acute toxicity	Harmful if inhaled.	
Product	Species	Test results
Waterproof Grease (Mixture)		
Acute		
<i>Oral</i>		
LD50	Rat	37180.7969 g/kg, estimated
<i>Other</i>		
LD50	Rat	40425.5313 mg/kg, estimated

* Estimates for product may be based on additional component data not shown.

Routes of exposure	Skin contact. Eye contact.
Symptoms	Discomfort in the chest. Shortness of breath. Narcosis. Decrease in motor functions. Behavioural changes. Coughing. Oedema. Liver enlargement. Jaundice. Proteinuria. Defatting of the skin. Skin irritation. Irritant effects. Rash.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes eye irritation.
Respiratory sensitiser	Due to lack of data the classification is not possible.
Skin sensitiser	May cause an allergic skin reaction.
Germ cell mutagenicity	Suspected of causing genetic defects.
Carcinogenicity	Due to lack of data the classification is not possible.
Toxic to reproduction	Due to lack of data the classification is not possible.
Specific target organ toxicity - single exposure	May cause damage to organs (Lung). Due to lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Causes damage to organs. Lung, skin. Causes damage to organs (Lung, skin) through prolonged or repeated exposure. Due to lack of data the classification is not possible.
Aspiration hazard	Due to lack of data the classification is not possible.

Chronic effects Not available.

Relevant negative data Not available.

12. Ecological information

Ecotoxicological data

Product		Species	Test results
Waterproof Grease (Mixture)			
Crustacea	EC50	Daphnia	15219.9229 mg/l, 48 hours, estimated
Fish	LC50	Fish	43657.5469 mg/l, 96 hours, estimated

* Estimates for product may be based on additional component data not shown.

Ecotoxicity Accumulation in aquatic organisms is expected. May cause long lasting harmful effects to aquatic life.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulation

Mobility This product is miscible in water.

Other hazardous effects Not available.

13. Disposal considerations

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Special precautions Not available.

14. Transport information

International regulations

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

Applicable regulations

New Zealand Inventory of Chemicals (NZIoC): Registration status

Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5)	May be used as a single component chemical under an appropriate group standard
Distillates (petroleum), Hydrotreated Heavy Paraffinic (CAS 64742-54-7)	May be used as a single component chemical under an appropriate group standard
Distillates (petroleum), Hydrotreated Light Paraffinic (CAS 64742-55-8)	May be used as a single component chemical under an appropriate group standard
Distillates (petroleum), Solvent-refined Heavy Paraffinic (CAS 64741-88-4)	May be used as a single component chemical under an appropriate group standard
Sulphonic acids, petroleum, sodium salts (CAS 68608-26-4)	HSNO Approved

16. Other information

References Not available.

Issued by

Not available.

Prepared by

Not available.

Disclaimer

Bel-Ray Company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

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