



Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name: **Fortron WHEEL BEARING GREASE**

Other Names: **WHEEL BEARING GREASE FWBG– 450 gram tube
WHEEL BEARING GREASE FWBG20 – 20 kg drum
WHEEL BEARING GREASE FWBGB – 180 kg drum**

Recommended Use: Premium non-melting grease for wheel, roller and ball-bearing use. Non-melting for wheel bearings and hot applications. Resistant to water washing – fortifies against rust and corrosion. Non bleeding – oil does not separate under pressure. High oxidation resistance – resists gumming and carboning. High lubricity value – prevents wear – chemically fortified. Also suitable for plain bearing lubrication. Do not mix with other greases. Bearings and reservoirs must be clean and dry prior to replacing. Suitable for continuous use up to 180°C.

Supplier: Fortron Automotive Treatments Pty Ltd
14-18 Sangiorgio Court, Osborne Park
Perth, Western Australia 6017
ACN 008 872 197 ABN 12 008 872 197
Phone: (618) 9202 7800 (Monday – Friday 8.00am – 5.00pm)
Fax: (618) 9202 7851
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Emergency Telephone No: 0433 088 498

2. HAZARDS IDENTIFICATION:

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF THE NATIONAL OCCUPATIONAL HEALTH AND SAFETY COMMISSION (NOHSC)

Hazard Symbol: Not applicable

Risk Phrase: Not applicable

Safety Phrase: Not applicable



3. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Description

Contains mixture of highly refined paraffinic distillates and additives including ketone solvent, stabiliser, rust inhibitor, dye and activator.

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion % w/w</u>
Ingredients determined not to be hazardous	Not required	100%

4. FIRST AID MEASURES:

Swallowed: If swallowed DO NOT induce vomiting. Immediately wash out mouth with water, and then give water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention.

For advice, contact a Poisons Information Centre. Phone Australia 13 1126; New Zealand 03 4747 000 (Not after May 2005) or 0800 764 766; or a doctor (at once).

Eye: If contact with the eye(s) occur, immediately hold the eye open and wash continuously for at least 15 minutes with fresh running water. Seek medical attention.

Skin: In case of contact, remove contaminated clothing and wash before re-use or discard. Wash gently and thoroughly with water and soap. If irritation develops and persists, seek medical attention. Should grease be accidentally injected under the skin, seek IMMEDIATE medical attention.

Inhaled: If inhaled, remove to fresh air. If rapid recovery does not follow, seek medical attention.

First Aid Facilities: Safety shower, mild soap and eye wash facilities.

Advice to Doctor: Treat symptomatically.
Injections under the skin resulting from contact with high pressure, constitutes a major medical emergency. Injuries may not appear serious at first but within a few hours, tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that the high pressure may force the product considerable distance along tissue.



5. FIRE FIGHTING MEASURES:

Flashpoint:	> 190°C (Closed Cup)
Extinguishing Media:	Use dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapours and to provide protection for persons attempting to stop the leak.
Unusual Fire & Explosion Hazards:	Combustible liquid. This product will burn if exposed to fire. Combustion Products: Aldehydes, ketones, combustion products of nitrogen, carbon and sulphur.
Fire Fighting Precautions:	For fires involving this material, do not enter any enclosed or confined space without approved Self-contained breathing apparatus (SCBA) to protect against the hazardous effects of combustion products or oxygen deficiency.
Hazchem Code:	None Allocated

6. ACCIDENTAL RELEASE MEASURES:

Emergency Procedures:	Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure.
Methods and Materials for Containment and Clean Up:-	Small Spills: If possible contain the spill. Place inert absorbent material such as vermiculite, sand or dirt onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Prevent contamination of groundwater or surface water. Large Spills: For large spills dyke spilled material or otherwise contain material to ensure runoff does not reach a waterway. If this material enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE:

Precautions for Safe Handling:	Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene i.e., washing hands prior to eating, drinking or going to the toilet. Build-up of mists in the working atmosphere must be prevented. Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue may ignite with explosive violence if heated sufficiently. Do not pressurise or expose to open flame or heat. Keep container closed and bung in place.
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7. HANDLING AND STORAGE: continued

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from sources of ignition. This product should be stored away from foodstuffs and strong oxidising agents. Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimised. Water contamination should be avoided. For information on the design of the store-room reference should be made to Australian Standard AS1940, The Storage and Handling of Flammable and Combustible Liquids. Reference should also be made to any relevant Commonwealth, State or Territory regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

National Exposure Standards: No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However, Exposure Standards for oil mist are listed below.

Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).

Time-weighted average (TWA) is defined as the concentration of that substance over an eight-hour working shift, and apply to an eight-hour day, for a five-day working week over an entire working lifetime. Short Term Exposure Limits (STEL) and Peak Limitations may also be specified for short periods of exposure such as 15 minutes.

SUBSTANCE	Occupational Exposure Limits	TWA mg/m ³	STEL mg/m ³
Oil Mist, Mineral	NOHSC	5	10

Engineering Controls: Where vapours or mists are generated and exposure standards are exceeded, the use of respiratory protection, or a local exhaust ventilation system is recommended.

Personal Protective Equipment:

Respiratory Protection: Where vapours, mists or spray is generated and exposure standards are exceeded, select and use respirators in accordance with AS/NZS 1715/1716. The use of an approved respirator with organic vapour and dust/mist filters. Filter capacity and respirator type depends on exposure levels for each individual circumstance.

Hand Protection: Any routine contact with this material should require the use of protective clothing such as gloves made of neoprene, nitrile, or n-butyl rubber suitable for the application.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION: continued

Skin Protection: Any routine contact with this material should require the use of protective clothing such as an apron made of neoprene, nitrile, or n-butyl rubber suitable for the application.

Eye Protection: Safety glasses or face shield as appropriate where splashing or misting is expected during routine operations or spill clean up. Reference should be made to the Australian Standard AS/NZS 1337 – Eye Protectors for Industrial Applications.

Hygiene Recommendations: Keep an eye wash fountain available. Keep safety shower available. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Smooth green grease
Odour:	Slight characteristic odour
pH:	Not applicable
Vapour Pressure:	Not available
Vapour Density:	Not available
Boiling Point:	> 350°C
Melting Point:	Not determined
Solubility in Water:	Negligible
Specific Gravity:	Not determined
Flashpoint:	> 190°C (closed cup)
Flammability Limits:	LEL Not available UEL Not available
Auto Ignition Temperature:	Not available

10. STABILITY AND REACTIVITY:

Chemical Stability:	Stable under normal conditions of storage and handling.
Conditions to Avoid:	Combustible substance. Remove all sources of ignition and heat.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Under fire conditions: Aldehydes, ketones, combustion products of nitrogen, carbon and sulphur.
Hazardous Reactions:	Not determined.



11. TOXICOLOGICAL INFORMATION:

The main constituents in this product are in accordance with Note L of the NOHSC Designated List of Hazardous Substances, the manufacturer has had the main constituents tested in accordance with IP346 and contain less than 3% polyaromatics.

HUMAN HEALTH HAZARDS - ACUTE

- Swallowed: May cause irritation of the gastrointestinal tract with possible nausea, vomiting and diarrhoea.
- Eye: Eye contact may cause mild irritation with stinging, blurring and tearing.
- Skin: Repeated or prolonged contact may dry and defat the skin, resulting in skin irritation and possible dermatitis. Grease accidentally injected under the skin can result in local necrosis and tissue damage.
- Inhaled: Inhalation of vapours or mists generated in confined, poorly ventilated areas or at elevated temperatures, may cause respiratory system irritation, other pulmonary effects, headache, dizziness and nausea.
- Chronic: Prolonged or repeated contact may result in skin irritation leading to dermatitis, Repeated exposure to vapour or mist at concentrations in air that exceed exposure standards can cause respiratory irritation, discomfort or other pulmonary effects.

Carcinogenicity:

Human Hazard Characterisation:

12. ECOLOGICAL INFORMATION:

Prevent material from entering the environment.

Ecotoxicity: This material may present environmental risks common to oil spills.

Persistence and Degradability: No information is available on this product.

Mobility: No information is available on this product.

13. DISPOSAL CONSIDERATIONS:

Disposal Methods and Containers: This material may present environmental risks common to oil spills. Dispose of according to Federal, E.P.A., State and Local Regulations. Dispose of wastes in an approved waste treatment/disposal site, in accordance with all applicable regulations.

Special Precautions for Landfill or Incineration: Do not dispose of wastes in local sewer or with normal garbage.



14. TRANSPORT INFORMATION:

UN Number: None Allocated
UN Proper Shipping Name: None Allocated
Class and Subsidiary Risk: None Allocated
Packaging Group: None Allocated
Special Precaution for user: None Allocated
Hazchem Code: None Allocated

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road or Rail.

Land Transport (ADG):
Proper Shipping Name: Product is not regulated during transportation.

Air Transport (ICAO/IATA):
Proper Shipping Name: Product is not regulated during transportation.

Marine Transport (IMDG/IMO):
Proper Shipping Name: Product is not regulated during transportation.

15. REGULATORY INFORMATION:

Statement of Hazardous Nature: Not classified as Hazardous according to the criteria of National Occupational Health and Safety Commission (NOHSC)
Hazard Symbol: Not applicable
Risk Phrase: Not applicable
Safety Phrase: Not applicable

16. OTHER INFORMATION:

Date of Issue: 30th July, 2009
MSDS Number: MSDS:38
Issue Number: G

Please Note:

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