



SHIELD CHEMICALS (PTY) LTD
MATERIAL SAFETY DATA SHEET
Wheel Bearing Grease

1 - IDENTIFICATION OF THE PRODUCT AND COMPANY	
PRODUCT NAME APPLICATION MANUFACTURER	WHEEL BEARING GREASE Vehicle Radiator Coolant Shield Chemicals (Pty) Ltd No. 9 London Road, Apex, Benoni Gauteng South Africa
CONTACT NUMBERS O/H 07h30 – 17h00 Monday – Friday	T) +27-11-421-7111 F) +27-11-421-0475
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2 - HAZARDS IDENTIFICATION	
Harmful or fatal if swallowed.	

Precautionary statements:

P 273 Avoid release to the environment.

P501 Dispose of contents and container to appropriate waste site or reclaim in accordance with local and national regulations.

Description: Mixture of mineral oils and lithium soaps of 12-hydroxystearic acid, polymers and additives

3 - COMPOSITION/INFORMATION ON INGREDIENTS			
Hazard(ous) ingredient(s):	CAS #	Amount	UN No.
None			

4 - FIRST AID MEASURES	
INHALATION	Remove victim from the source of exposure and seek medical attention immediately.
INGESTION	NEVER INDUCE VOMITTING. Seek medical attention.
SKIN CONTACT	Wash thoroughly with soap and water. If irritation persists, seek medical attention.
EYE CONTACT	Make sure to remove any contact lenses from the eyes before rinsing. Rinse thoroughly with plenty of water for 15 minutes, if irritation persists, seek medical attention.

5 - FIRE-FIGHTING MEASURES	
CLASSIFICATION	Non flammable, but may burn in the case of fire
EXTINGUISHING MEDIA	Use Foam, Carbon dioxide (CO ₂) or dry powder extinguishers.
EXPOSURE HAZARDS	Combustion may evolve carbon oxides
PROTECTIVE EQUIPMENT	Fire fighters should wear self-contained breathing apparatus and suitable personal protective equipment.

6 - ACCIDENTAL RELEASE MEASURES	
Method of disposal	Absorb onto dry sand if possible, and dispose of safely as commercial waste. Rinse residues thoroughly with water.
Personal Protection	Wear gloves and eye/face protection.

7 - HANDLING AND STORAGE	
HANDLING	Do not inhale vapour and do not ingest. Do not add any other substances to this product.
STORAGE	Store upright in original closed containers. Keep away from heat or sources of ignition. Keep away from oxidizing or flammable materials.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION	
EYE PROTECTION	When handling this product wear suitable eye/face protection.
HAND PROTECTION	For prolonged use, make use of gloves.
SKIN PROTECTION	Protective overalls may be worn
INHALATION	Personal protective equipment should only be considered where ventilation is very poor, or in the case of an accident.

9 - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Paste
Colour	Grey/Black
Odour	Odourless
RELATIVE DENSITY @ 20°C	0.98g/mL
pH value 10g/l in water	N/A
Flash point	>200°C
Decomposition temperature	>250°C
Pour point	<-10°C
Penetration at 25°C	265-295 1/10mm
Water solubility	Insoluble
Fat solubility	Partly soluble
10 – STABILITY AND REACTIVITY	
STABILITY	Keep away from heat, and oxidizing agents
MATERIALS TO AVOID	Prevent contamination of the solution with foreign materials.
HAZARDOUS DECOMPOSITION PRODUCTS	No hazardous decomposition products if stored and handled as prescribed.
11 - TOXICOLOGICAL INFORMATION	
INHALATION	May cause dizziness and drowsiness. Product not volatile at ambient temperatures. Vapours, mist or fumes in high concentrations, as generated from spraying or heating in an enclosed area, may cause irritation
INGESTION	May be toxic by ingestion. Ingestion of this product and subsequent vomiting can result in aspiration into the lungs, causing chemical pneumonia and lung damage. Kidney and/or liver damage have been reported to occur following significant overexposures.
SKIN CONTACT	Contact may cause slight irritation; prolonged contact may cause more severe irritation.
EYE CONTACT	May cause irritation
Toxicity evaluation	LD 50 rat > 2000 mg/kg
12 - ECOLOGICAL INFORMATION	
ECOTOXICITY	This product is expected to have a moderate (>=30%) rate of biodegradation, and a low potential to bio-accumulate.
13 - DISPOSAL CONSIDERATIONS	
DISPOSAL METHODS	Do not pour down waste water drains. Disposal in accordance with local laws. Packages: Contaminated packages must be completely emptied and may be reused after proper cleaning.
14 - TRANSPORT INFORMATION	
Land transport (ADR/GGVS, RID/GGVE):	This mixture is not classified as dangerous under ADR regulations.
Inland waterway craft:	This mixture is not classified as dangerous under RID regulations.
Marine transport (IMDG):	This mixture is not classified as dangerous under IMDG regulations.
Air transport ICAO/IATA:	This mixture is not classified as dangerous under IATA regulations.
15 - REGULATORY INFORMATION	
Hazard Symbols	<ul style="list-style-type: none"> ➤ P 273 Avoid release to the environment. ➤ P 501 Dispose of contents and container to appropriate waste site or reclaim in accordance with local and national regulations.
Risk Phases	R22 Harmful if swallowed R36 Irritating to the eyes R43 May cause sensitization by skin contact R52/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

Safety Phrases	S2	Keep out of reach of children
	S13	Keep away from food, drink and animal feed.
	S25	Avoid contact with the eyes
	S26	In case of contact with eyes, rinse with water and seek medical advice.
	S43	In case of fire, use Foam, Carbon dioxide (CO ₂) or dry powder extinguishers. Never use water jets.
	S44	If you feel unwell, seek medical attention immediately and show this document.
	S45	In case of accident, or if you feel unwell, seek medical attention immediately and show this document.
	S61	Avoid release to the environment
	S62	If swallowed, do not induce vomiting; seek medical advice and show container or label.

16 - OTHER INFORMATION

This materials safety data sheet has been compiled according to SABS 1104-1 and SABS 0265, and provides the best advice under our current state of knowledge. The user is ultimately responsible for ensuring that the requirements of the relevant legislation are complied with.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.