

SHIELD CHEMICALS (PTY) LTD

MATERIAL SAFETY DATA SHEET

Shield Wheel Bearing Grease

1 - IDENTIFICATION OF THE PRODUCT AND COMPANY

PRODUCT NAME	Shield Wheel Bearing Grease – 500g
PRODUCT CODE	SH842
APPLICATION	Wheel Bearing Grease
MANUFACTURER	Shield Chemicals (Pty) Ltd No. 9 London Road, Apex, Benoni Gauteng South Africa
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2 - HAZARDS IDENTIFICATION

Harmful or fatal if swallowed.
Precautionary statement/s: 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.

3 - COMPOSITION/INFORMATION ON INGREDIENTS:

Description: The product is a mixture of mineral oils and lithium soaps of 12-hydroxystearic acid, polymers and additives.			
Name	CAS #	Amount	UN No.
Not applicable			None available
Hazard(ous) ingredient(s): None.			

4 - FIRST AID MEASURE(S)

INHALATION	Heating may generate vapor that can cause respiratory tract irritation, nausea and headaches. Inhalation is unlikely due to low product volatility at room (ambient) temperature, in case of inhalation of generated vapor remove victim from the source of exposure and seek medical attention immediately.
INGESTION	NEVER INDUCE VOMITTING! Directly 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 vapor, avoid skin contact 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 chemical resistant 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 fire generated vapors.

9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Paste
COLOUR	Grey/black
ODOUR	Odourless (@ ambient temperature)
RELATIVE DENSITY @ 20°C	0.98g/ml (typical)
PH VALUE AT 10g/L in water	Not applicable
WATER SOLUBILITY	Insoluble
FAT SOLUBILITY	Partly soluble
FLASH POINT	>200°C
DECOMPOSITION TEMPERATURE	>250°C

10 - STABILITY AND REACTIVITY

STABILITY	No hazardous decomposition products are generated if the product is stored and handled as prescribed.
MATERIALS TO AVOID	Prevent contamination of the product with foreign materials.
HAZARDOUS DECOMPOSITION PRODUCTS	If product is handles as prescribed, there will be no hazardous decomposition products.

11 - TOXICOLOGICAL INFORMATION

TOXICITY TESTS	LD50 rat > 2000mg/kg
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12 - ECOLOGICAL INFORMATION

ECOTOXICITY	There is no experimental toxicological data on the preparation as such available.
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13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Do not pour down waste water drains. Absorb onto dry sand or other absorber, and dispose of safely as commercial waste. Rinse contaminated area with plenty of water
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14 - TRANSPORT INFORMATION

Local Regulations	Not applicable
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15 - REGULATORY INFORMATION

Hazard Symbols	T Toxic by inhalation or if swallowed.
Risk Phases	R22 Harmful if swallowed R25 Toxic 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. s. 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.