

SHIELD CHEMICALS (PTY) LTD
MATERIAL SAFETY DATA SHEET
 Shield Power steering fluid



1 - IDENTIFICATION OF THE PRODUCT AND COMPANY			
PRODUCT NAME	Shield Power Steering fluid	APPLICATION	Power steering liquid
PRODUCT CODE	SH845	MANUFACTURER	
CONTACT NUMBERS: O/H 07h30 – 17h00 Monday – Friday	T) +27-11-421-7111 F) +27-11-421-0475	Shield Chemicals (Pty) Ltd No. 9 London Road, Apex, Benoni Gauteng South Africa	
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CONTACT PERSON	Mr. J. Clark		

2 - HAZARDS IDENTIFICATION

Harmful 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 Petroleum Hydrocarbon and performance additives.

Name	CAS #	Amount	UN No.
Petroleum Hydrocarbon		60 – 90%	None available
Mineral oil	8042-47-5	3 – 8%	
Methacrylate copolymer		< 2.5%	
Alkoxylated long-chain alkyl amine		< 1%	
Alkyl alkoxy amine			
Long-chain alkyl dithio thiadiazole			
Alkyl methacrylate			

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	DO NOT USE SOLVENTS such as gasoline, or thinners to remove product from skin. 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	Nonflammable, 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	Liquid		
COLOUR	Dark red/brown liquid		
ODOUR	Odourless (@ ambient temperature)		
RELATIVE DENSITY	0.98g/ml (typical) @ 20°C		
PH VALUE	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	If product is handles as prescribed, there will be no hazardous decomposition products.		
11 - TOXICOLOGICAL INFORMATION			
CACINOGENICITY	Possible skin cancer hazard – avoid prolonged or repeated skin contact. Avoid breathing mist, use adequate ventilation. Always thoroughly wash skin/contact areas with soap.		
12 - ECOLOGICAL INFORMATION			
ECOTOXICITY	There is no experimental toxicological data on the preparation as such available.		
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		
14 - TRANSPORT INFORMATION			
Local Regulations	Not applicable		
15 - REGULATORY INFORMATION			
Hazard Symbols: Xi			
Risk Phrases			
R52/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment		
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment		
R22	Harmful if swallowed	R36	Irritating to the eyes
R34	Causes burns	R43	May cause sensitization by skin contact
Safety Phrases			
S26	In case of contact with eyes, rinse with water and seek medical advice.		
S2	Keep out of reach of children	S25	Avoid contact with the eyes
S13	Keep away from food, drink and animal feed.	S61	Avoid release to the environment
S43	In case of fire, use Foam, Carbon dioxide (CO ₂) or dry powder extinguishers.		
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.		
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.