



MATERIAL SAFETY DATA SHEET

Engine Cleaner – Water Based

1 - IDENTIFICATION OF THE PRODUCT AND COMPANY

PRODUCT NAME APPLICATION SUPPLIER AND MANUFACTURER	Engine Cleaner – Water Based Vehicle Engine Heavy Duty Cleaner Shield Chemicals (Pty) Ltd No. 9 London Road, Apex, Benoni Gauteng South Africa
CONTACT NUMBERS O/H 07h30 – 17h00 Monday – Friday WEB ADDRESS E-MAIL ADDRESS CONTACT PERSON	T) +27-11-421-7111 F) +27-11-421-0475 www.shieldchem.co.za info@shieldchem.co.za Mr. Riaan Engelbrecht

2 - HAZARDS IDENTIFICATION

Harmful by inhalation, skin contact or if swallowed

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS #	Amount
2-Butoxyethanol	000111-76-2	5-10%

4 - FIRST AID MEASURES

INHALATION	Remove victim from the source of exposure and seek medical attention immediately.
INGESTION	NEVER INDUCE VOMITTING. Seek medical attention immediately.
SKIN CONTACT	Wash thoroughly with water. Remove contaminated clothing. 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 and seek medical attention immediately.

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 hazardous gasses.
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, goggles and respiratory 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	Not Applicable When handling this product wear suitable eye/face protection.
HAND PROTECTION	For prolonged use, make use of gloves that are resistant to detergents./solvents.
SKIN PROTECTION	Not Applicable Protective overalls may be worn
INHALATION	Not Applicable Personal protective equipment should only be considered where ventilation is very poor, or in the case of an accident.
HYGIENE MEASURES	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.



9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Red
ODOUR	As per standard
RELATIVE DENSITY @ 25°C	1.00 (typical)
PH	8.00 (typical)

10 - STABILITY AND REACTIVITY

STABILITY	Keep away from heat
MATERIALS TO AVOID	Prevent contamination of the solution with foreign materials. Prevent contamination of the solution with any flammable or oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS	There are no hazardous decomposition products.

11 - TOXICOLOGICAL INFORMATION

May cause adverse affects in the aquatic environment.

12 - ECOLOGICAL INFORMATION

ECOTOXICITY	This product may be hazardous to the environment. Avoid contamination of natural land and aquatic systems.
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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

UN NUMBER	Not Regulated
PROPER SHIPPING NAME	-
TRANSPORT HAZARD CLASS	-
PACKING GROUP	-
ENVIRONMENTAL HAZARDS	-
SPECIAL PRECAUTIONS FOR USER	-

15 - REGULATORY INFORMATION

Hazard Symbols	R20	Harmful by Inhalation
Risk Phases	R21	Harmful in contact with skin
	R22	Harmful if swallowed
Safety Phrases	S2	Keep out of reach of children
	S24/25	Avoid contact with the skin and eyes

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.