



Engine Flush

1 - IDENTIFICATION OF THE PRODUCT AND COMPANY

PRODUCT NAME	Engine Flush
PRODUCT CODE	SH354
APPLICATION	Petroleum based engine cleaner
SUPPLIER AND MANUFACTURER	Shield Chemicals (Pty) Ltd No. 9 London Road, Apex, Benoni Gauteng South Africa
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2 - HAZARDS IDENTIFICATION

Flammable
Harmful by inhalation, skin contact or if swallowed

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Name	UN No.	CAS #	Amount
Kerosene	1223	8008-20-6	>30%

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	Highly Flammable
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	When handling this product wear suitable eye/face protection.
HAND PROTECTION	For prolonged use, make use of gloves that are resistant to solvents.
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.
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	Blue
ODOUR	As per standard
FLASH POINT	38-41°C
AUTO IGNITION TEMPERATURE	210°C
RELATIVE DENSITY @ 25°C	0.75 (typical)

10 - STABILITY AND REACTIVITY

STABILITY	Keep away from heat
MATERIALS TO AVOID	Prevent contamination of the solution with any flammable or oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide and noncombusted hydrocarbons (smoke)

11 - TOXICOLOGICAL INFORMATION

SKIN IRRITATION	Irritating to skin
EYE IRRITATION	Irritating to eyes
CARCINOGENICITY	This product may contain Naphthalene which is classified as a carcinogen

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	1223
PROPER SHIPPING NAME	Kerosene
TRANSPORT HAZARD CLASS	Class 3
PACKING GROUP	III
ENVIRONMENTAL HAZARDS	This is an environmentally hazardous substance
SPECIAL PRECAUTIONS FOR USER	None Additional

15 - REGULATORY INFORMATION

Hazard Symbols	Xn	Harmful by inhalation or if swallowed
Risk Phases	R11	Highly flammable.
	R36/38	Irritating to the eyes and skin
	R52/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
	R65	Harmful – may cause lung damage if swallowed.
Safety Phrases	S16	Keep away from source of ignition
	S23	Do not inhale spray.
	S24	Avoid contact with the skin
	S43	In case of fire, use Foam, Carbon dioxide (CO ₂) or dry powder extinguishers. Never use water jets.



	S62	If swallowed, do not induce vomiting; seek medical advice and show container or label.
	S2	Keep out of reach of children

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.