



MATERIAL SAFETY DATA SHEET

Two Stroke Oil

1 - IDENTIFICATION OF THE PRODUCT AND COMPANY

PRODUCT NAME	Two Stroke Oil
PRODUCT CODE	AZC.Two stroke oil
APPLICATION	Oil additive for two stroke engines
SUPPLIER AND MANUFACTURER	Shield Chemicals (Pty) Ltd No. 9 London Road, Apex, Benoni Gauteng South Africa
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O/H 07h30 – 17h00 Monday – Friday	
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2 - HAZARDS IDENTIFICATION

Flammable

Combustible liquid. Keep away from heat, sparks and open flame. Avoid contact with eyes. Avoid prolonged contact with the skin. Do not ingest. In case of an accident, seek medical attention.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS #	Amount	UN No.
Base Oil – Highly refined	Mixture	60 % - 75 %	
Proprietary Performance additives		20 % - 25 %	
Kerosene	8008-20-6	>10%	

4 - FIRST AID MEASURES

INHALATION	May cause respiratory irritation
INGESTION	NEVER INDUCE VOMITTING. May cause gastrointestinal irritation and diarrhea If irritation persists, seek medical attention immediately.
SKIN CONTACT	May cause skin irritation .Wash thoroughly with water. Remove contaminated clothing. If irritation persists, seek medical attention.
EYE CONTACT	May cause eye irritation .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	Combustible Liquid
EXTINGUISHING MEDIA	Use Foam, Carbon dioxide (CO ₂) or dry powder extinguishers.
EXPOSURE HAZARDS	Decomposition products may include carbon oxides (carbon monoxide , carbon dioxide)
PROTECTIVE EQUIPMENT	Standard safety 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 under normal conditions of use
HAND PROTECTION	Not applicable under normal conditions of use
SKIN PROTECTION	Not applicable under normal conditions of use
INHALATION	Not applicable under normal conditions of use

9 - PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE	Viscous Liquid
COLOUR	Green
ODOUR	As per standard
RELATIVE DENSITY @ 25°C	0.89 (typical)

10 - STABILITY AND REACTIVITY	
STABILITY	Stable under normal conditions of use
MATERIALS TO AVOID	Prevent contamination of the solution with any flammable or oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS	Under normal conditions of storage and use, hazardous decomposition products should not be produced.


11 - TOXICOLOGICAL INFORMATION	
May cause adverse affects in the aquatic environment.	
INHALATION	Not applicable
INGESTION	Not applicable
SKIN CONTACT	Avoid contact with shin and clothing.
EYE CONTACT	May cause eye irritation

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

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	
UN NUMBER	Not Regulated
PROPER SHIPPING NAME	Not applicable
TRANSPORT HAZARD CLASS	Not applicable
PACKING GROUP	Not applicable
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

Safety Phrases		S16	Keep away from source of ignition
		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.