



PRODUCT BULLETIN

Introducing Oil Flushing Concentrate

Australia

2009



Oil Flushing Concentrate

Overview

Oil Flushing Concentrate is a specially formulated blend of penetrates, lubricants and sludge dispersants designed for use in all petrol and diesel engines, gear trains, gear boxes, final drive differentials and other components that run in SAE 5 to 170 engine or extreme pressure lubricants. It is not for use in areas that run vegetable oils.

“DON’T PUT CLEAN OIL INTO A DIRTY ENGINE TRANSMISSION OR FINAL DRIVE DIFFERENTIAL”!

A statement with which the automotive industry is fully conversant. **It does not pay to add clean oil to a dirty engine environment and then fit a new oil filter.** Within seconds from start up the clean oil picks up the dirt, sludge, gum varnish and acid deposits in the crankcase causing the effective working life of the lube oil to be severely depleted, up to 40%, by deposits already present in the engine compartment,

Engines, Gear trains, Hydraulic systems and Final Drive Differentials all respond adversely to corrosion as well as metal deposits, dust particles, water and other unwanted contaminants that find their way into these environments. These deposits can spell doom for the operator of automotive equipment causing expensive down time and unnecessary repairs. Debilitating deposits form in engine oil galleries, and are the cause of oil related engine and component failure. Contamination in all oil environments can be removed harmlessly by using Oil Flushing Concentrate.

Directions For Use: Engines

If undertaking an oil analysis program. take sample before adding flush.

- 1 With the engine **at operating temperature** (hot), crankcase oil at the full mark, add Oil Flushing Concentrate to the old oil in the engine at a mix rate of 350 mls to every 5ltrs of engine oil or 70mls per litre.
- 2 Start the engine and run at a fast idle for 20 minutes.
- 3 Stop engine and drain old oil from crankcase.
- 4 Replace drain bung, fit a new oil filter and add the correct amount of new oil.
- 5 **All other applications diff, transmissions final drives etc:** Add 150mls to every 5ltrs of old oil or 30mls to the litre.

Oil Flushing Concentrate offers the following advantages:

- Cleans all engine parts from within the engine.
- Removes harmful sulphur sludge’s, pastes and other contaminants
- Cleans valves and hydraulic valve lifters
- Frees piston rings of harmful varnish deposits that are responsible for “ring stick”
- Cleans positive crank ventilation systems

Directions

Ensure that crankcase oil is at correct level and run vehicle until **normal operating temperature** (hot) is reached. Add about 350 ml of Engine Flush to each 5 litres of crankcase oil and idle the engine for 20 minutes. Stop engine and drain oil. Fit a new oil filter and add new oil.

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

PRODUCT NAME: Oil Flushing Concentrate.
SYNONYMS: N/A
UN NUMBER.: N/A
POISONS SCHEDULE: N/A
DANGEROUS GOODS CLASS: N/A
SUB CLASS: N/A
HAZCHEM: N/A

USE AND APPLICATION: As a flushing concentrate for engines and oil reservoirs.

PHYSICAL DESCRIPTION / PROPERTIES

APPEARANCE AND ODOUR: A clear mobile amber liquid with an odour not unlike diesel oil.

BP / MP (°C): N/A
FLASH POINT (°C): >70
VAPOUR PRESSURE: N/A
LEL % N/A
UEL % N/A
VOLATILES (%): <20
AUTOIGNITION TEMP: N/A
SPECIFIC GRAVITY: 0.9
pH: Neutral

COMPOSITION:	PROPORTION
Petroleum hydrocarbons and surfactants	N/A
CAS No.	N/A

HEALTH HAZARDS

SWALLOWED: Unlikely to cause harm if swallowed in small amounts. However, large amounts may cause discomfort, nausea and vomiting.
EYE: If in eye, hold eye open and flood with water for 15 minutes.
SKIN: If on skin, wash off with soap and water.
INHALATION: Natural ventilation adequate during use. Aspiration of liquid into the lungs can cause serious even fatal pneumonitis.

FIRST AID

IF SWALLOWED If poisoning occurs, contact a doctor or poisons information centre. If swallowed, do NOT induce vomiting. Wash out the mouth if contaminated.

OIL FLUSHING CONCENTRATE

- EYE:** If contacted in the eye, flood with water for at least 15 minutes and seek medical advise immediately.
- SKIN:** If skin contact occurs, remove clothing and wash off with soap and water.
Remove and launder clothing before re use.
- INHALATION:** Move to fresh air. Keep warm and at rest. Seek medical attention.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT:

Avoid contact with strong oxidizing agents. Store in cool well ventilated are well away from heat and ignition sources. Store in containers that are secure and well labelled.

SPILLS AND DISPOSAL:

Spillage's will be slippery. Contain with inert absorbent such as sand. Dispose off in accordance with local council regulations.

FIRE AND EXPLOSION HAZARD:

Combustible. Combustion products include oxides of carbon. Use water sprays to cool fire exposed surfaces and any adjacent storage vessels. Shut off source of product if safe to do so. Remove source of ignition. Use CO₂ or dry powder extinguishers.

PRECAUTIONS FOR USE

- EXPOSURE LIMITS;** Mist approx. 5mg/m, 8 hour TWA
- VENTILATION:** Avoid inhalation of mist, fumes or vapour generated during use. Use in well ventilated area. Ensure ventilation is adequate to maintain air concentrations below exposure standards.
- PERSONAL PROTECTION:** The wearing of gloves and goggles is recommended. Avoid eye and skin contact.
- FLAMMABILITY:** Avoid heat and sources of ignition.

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