



SAFETY DATA SHEET

ENGINE FLUSH

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: ENGINE FLUSH

PART No.: 62450

APPLICATIONS: Oil Additive

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2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EINECS No.	CAS No.	CONTENTS	SYMBOL	RISK (R No.)
ODOURLESS KEROSENE	265-149-8	64742-47-8	60-100 %	Xn	65, 66
ZINC DIALKYL DITHIOPHOSPHATE			0-1 %	Xi	38, 41

The full text for all R-phrases are shown in section 16.

3 HAZARDS IDENTIFICATION

Harmful: may cause lung damage if swallowed.
Repeated exposure may cause skin dryness or cracking.

4 FIRST AID MEASURES

GENERAL: If heart stops, provide heart massage.

INHALATION: Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen.

INGESTION: If swallowed, do not induce vomiting. Seek medical advice immediately and show the container or label. Rinse mouth thoroughly.

SKIN: Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing. Contaminated clothing should be laundered before use.

EYES: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use: Water spray, fog or mist. Alcohol resistant foam. Dry chemicals. Carbon dioxide (CO₂).

SPECIAL FIRE FIGHTING PROCEDURES: Avoid water in straight hose stream; will scatter and spread fire. Cool containers exposed to flames with water until well after the fire is out.

HAZARDOUS DECOMPOSITION PRODUCTS: Fire creates: Oxides of: Carbon. Sulphur.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP METHODS: Stop leak if possible without risk. Use appropriate containment to avoid environmental contamination. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer. If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS: Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Provide good ventilation.

STORAGE PRECAUTIONS: Keep away from oxidising substances. Ground container and transfer equipment to eliminate static electric sparks. Keep in cool, dry, ventilated storage and closed containers. Use container made of: Stainless steel. Mild steel.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



PROCESS CONTROL MEASURES: Use engineering controls to reduce air contamination to permissible exposure level.

VENTILATION: Provide adequate general and local exhaust ventilation.

RESPIRATORS: In case of insufficient ventilation, wear suitable respiratory equipment.

PROTECTIVE GLOVES: For prolonged or repeated skin contact use suitable protective gloves.

EYE PROTECTION: Wear approved safety goggles.

OTHER PROTECTION: Use barrier creams to prevent skin contact.

HYGIENIC WORK ROUTINES: Decontaminate personal protective equipment after use. If this is not possible, dispose of as contaminated waste.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid.	COLOUR:	Light brown.
ODOUR/TASTE:	Characteristic.		
SOLUBILITY DESCRIPTION:	Insoluble in water.	SPECIFIC GRAVITY (Water=1):	0.814 @ 20 °C
VISCOSITY:	1.00 mm ² /S @ 100 °C	FLASH POINT (°C):	78
FLASH POINT METHOD:	Not noted.		

10 STABILITY AND REACTIVITY

STABILITY: Normally stable.

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CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

HAZARDOUS DECOMPOSITION PRODUCTS:
Oxides of: Nitrogen. Carbon.

11 TOXICOLOGICAL INFORMATION

INGESTION: Harmful: may cause lung damage if swallowed.

SKIN: Repeated exposure may cause skin dryness or cracking.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: No information available but must be considered harmful.

13 DISPOSAL CONSIDERATIONS

GENERAL/CLEANING: Triple rinse drums prior to recycling or disposal.

DISPOSAL METHODS: This material and its container must be disposed of as hazardous waste. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Incinerate in suitable combustion chamber. Dispose of in accordance with Local Authority requirements.

14 TRANSPORT INFORMATION

ROAD:
HAZARD CLASS (ADR): Not classified for transportation.

RAIL:
SEA:
AIR:

15 REGULATORY INFORMATION

LABEL FOR SUPPLY:



HARMFUL

RISK PHRASES: R-65 Harmful: may cause lung damage if swallowed.
R-66 Repeated exposure may cause skin dryness or cracking.

SAFETY PHRASES: S-2 Keep out of reach of children.
S-62 If swallowed, do not induce vomiting. Seek medical advice immediately and show the container or label.
S-24 Avoid contact with skin.

16 OTHER INFORMATION

REVISION COMMENTS: Amendment to bring in line with 'CHIP 3'. Amendment to sections: 2, 3, 8, 11, 15, 16.

REVISION DATE: 08-2002

REVISION No. /REPLACES SDS ISSUED:
2 / 04-2001

R-PHRASES (Full Text): R-38 Irritating to skin.
R-41 Risk of serious damage to eyes.
R-66 Repeated exposure may cause skin dryness or cracking.
R-65 Harmful: may cause lung damage if swallowed.

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