



**IDENTITY** (As Used on Label and Lists)  
 ENGINE FLUSH SOLUTION

*Note: Blank spaces are not permitted. If a ny item is not applicable, or no information is available, the space must be marked to indicate that.*

**Section I**

Manufacturer's Name AEC GROUP	Emergency Telephone Number 714-444-1395
Address (Number, Street, City, State, and ZIP Code) 3600 W. Carriage Drive Santa Ana, CA 92704	Telephone Number for Information
	Date Prepared 7/1/2009
	Signature of Preparer (optional)

**Section II - Hazardous Ingredients/Identify Information**

Hazardous Components (Specific Chemical Identity; Common Names (s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Petroleum Distillates CAS# 64741-44-2	5 MG/M <sup>3</sup>	5 MG/M <sup>3</sup>		

**Section III - Physical/Chemical Characteristics**

Boiling Point 530-623° F	Specific Gravity (H <sub>2</sub> O = 1) 0.83
Vapor Pressure (mm Hg.) 2 mmHg @ 20C	Melting Point -30 F
Vapor Density (AIR = 1) > 1	Evaporation Rate (Butyl Acetate = 1) < 0.01
Solubility in Water < 0.1%	
Appearance and Odor Yellow-brown liquid, oily with a mild petroleum odor	

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) 280° F COC	Flammable Limits (estimated values)	LEL 1.3%	UEL 6%
Extinguishing Media CO2, foam, dry chemical			
Special Fire Fighting Procedures	Use water fog or spray to cool fire exposed containers. Avoid breathing fumes, gases, vapors, or decomposition products. Use supplied-air breathing apparatus in confined space or where needed.		
Unusual Fire and Explosion Hazards	Water may cause foaming or spread fire.		

**Section V - Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (*Materials to Avoid*) Avoid contact with strong oxidants.

Hazardous Decomposition or Byproducts Under Fire Conditions: Oxides of sulfur and carbon.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation? X	Skin? X	Ingestion? X
--------------------	------------------	------------	-----------------

**Health Hazards (*Acute and Chronic*)**

Inhalation: Vapors or mist may cause respiratory tract irritation. High levels may also cause central nervous system excitation followed by depression, headache, dizziness, nausea, vomiting, weakness, incoordination, delirium and coma. Skin: May cause smarting, redness, and irritation. Chronic exposure may cause defatting and dryness of the skin, severe irritation, and dermatitis. Ingestion: Acute exposure may cause nausea, cramping, diarrhea, and possible systems of central nervous system depression, pulmonary edema, and death.

Carcinogenicity:	NTP? NA	IARC Monographs? NA	OSHA Regulated? NA
------------------	------------	------------------------	-----------------------

Signs and Symptoms of Exposure Inhalation: Respiratory tract irritation. Skin: Smarting, redness, and irritation.

Medical Conditions Generally Aggravated by Exposure Many petroleum hydrocarbons and synthetic lubricants pose potential health risks which vary from person to person. As a precaution, exposure to liquids, fumes, mists and vapors should be minimized.

**Emergency and First Aid Procedures**

\*Ingestion: do not induce vomiting. Call a physician or poison control center immediately. \*Eyes: flush immediately with large amounts of water; seek medical attention if irritation develops. \*Skin: remove contaminated clothing, wash exposed skin with soap and water or waterless skin cleaner. \*Inhalation: move exposed person to fresh air immediately. Perform artificial respiration if breathing has stopped. Consult a physician immediately.

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled Recover free product. Add sand, earth, sawdust, or suitable absorbent to spill area. Keep product out of sewers and waterways by diking or impounding.

Waste Disposable Method Dispose of as required by state and federal laws regulating motor oil.

Precautions to Be Taken in Handling and Storing No ventilation needed during normal use. Neoprene, polyvinyl or polyethylene gloves as required. Chemical goggles. Oil resistant or protective garment if needed.

Other Precautions Keep away from extreme heat or open flame. Do not reuse soiled clothing without laundering.

**Section VIII - Control Measures**

Respiratory Protection (*Specify Type*) No special ventilation needed during normal use.

Ventilation	Local Exhaust X	Special Use supplied air respirator during fire.
	Mechanical ( <i>General</i> )	

Protective Gloves	Neoprene, polyvinyl or polyethylene	Eye Protection	Chemical goggles.
-------------------	-------------------------------------	----------------	-------------------

Other Protective Clothing or Equipment Oil resistant or protective garment if needed.

Work/Hygienic Practices Wash exposed skin with soap and water or waterless skin cleaner.