AMSOIL Material Safety Data Sheet

Date Issued/Revised: November 15, 2004

Supersedes: January 7, 2003

Section 1: Product and Company Identification

Manufacturer: AMSOIL, Inc. Telephone:

925 Tower Avenue CHEMTREC (Spill Emergency Only): 1-800-424-9300

Superior, WI 54880 Information: 715-392-7101

Section 2: Composition/Information on Ingredients

HYDROTREATED PETROLEUM DISTILLATE, CAS# 64742-54-7, 15-20% 2-BUTOXYETHANOL, GLYCOL ETHER EB, CAS# 111-76-2, 20-25% ALIPHATIC PETROLEUM DISTILLATES, CAS# 64742-88-7, appx wt=60-65%

Section 3: Hazards Identification

POTENTIAL HEALTH EFFECTS: Eye, inhalation and skin irritant.

Section 4: First Aid Measures

EYE: Flush with water for 15-20 minutes. Seek immediate medical attention.

SKIN: Wash immediately with soap and water. Immediately remove contaminated clothing and launder

before reuse. Discard shoes and leather articles saturated with the product. Obtain medical

advice if irritation occurs.

INHALATION: Remove exposed person to fresh air. If breathing is labored give oxygen. If breathing

has stopped apply artificial respiration. Get immediate medical attention.

INGESTION: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. If vomiting does

occur, keep head below hips to reduce risk of aspiration. Get immediate medical

attention. CAUTION: Harmful or Fatal if Swallowed

Section 5: Fire Fighting Measures

FLAMMABILITY PROPERTIES: Flash Point144°F(62°C)

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, and alcohol foam.

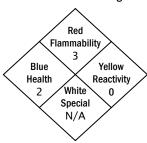
UNUSUAL FIRE & EXPLOSION HAZARDS: Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Vapor accumulation can flash or explode if ignited. Thermal decomposition of product may include toxic oxides of carbon. Overexposure may cause health hazards.

FIREFIGHTING EQUIPMENT: Full bunker gear recommended. Including a positive pressure self-contained breathing apparatus.

Section 6: Accidental Release Measures

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NFPA & HMIS Rating



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Isolate spill area. Provide adequate ventilation. Wear appropriate personal protection. Recover free product for recycle and/or disposal. Add sand, earth or other suitable absorbent to spill area. Prevent entry into sewers and waterways. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulator Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spill.

Section 7: Handling and Storage

HANDLING: Avoid contact with eyes, skin or clothing. Wash hands after handling. Empty container may retain product residue, which may exhibit hazards of product.

STORAGE: Store and use in cool, dry, well-ventilated areas. Keep away from heat or flame.

Section 8: Exposure Controls/Personal Protection

VENTILATION: Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

RESPIRATORY: Use a NIOSH approved respirator when necessary.

SKIN: Use Viton or Nitrile gloves to avoid prolonged or repeated skin contact.

EYE: Use splash goggles or face shield where splashing is expected or can occur.

EXPOSURE LIMITS: The Threshold Limit Value (TLV) of 5 mg/m³ is suggested for oil mist.

Section 9: Physical and Chemical Properties

Boiling Point Not Determined Freezing/Melting Point Not Applicable Vapor Pressure Not Determined Vapor Density (Air=1) Not Determined Evaporation Rate Not Determined Solubility in Water NIL Specific Gravity (Water=1) 0.8280 Density, Ib./gal 6.894 Volatility (Volume) 80-90% VOC Unknown pH Essentially Neutral Coefficient of Water/Oil Distribution Not Determined Odor Mild, Bland ether odor Odor Threshold Not Determined Appearance Light straw,transparent Viscosity, cSt @ 100°C Not Applicable Viscosity, cSt @ 40°C Not Applicable Viscosity Index Not Applicable	Physical State	Liquid
Freezing/Melting Point		
Vapor Pressure		
Vapor Density (Air=1)	Vapor Pressure	Not Determined
Evaporation Rate		
Specific Gravity (Water=1) 0.8280 Density, lb./gal. 6.894 Volatility (Volume) 80-90% VOC. Unknown pH Essentially Neutral Coefficient of Water/Oil Distribution Not Determined Odor Mild, Bland ether odor Odor Threshold Not Determined Appearance Light straw,transparent Viscosity, cSt @ 100°C Not Applicable Viscosity, cSt @ 40°C Not Applicable		
Density, lb./gal	Solubility in Water	NIL
Volatility (Volume)	Specific Gravity (Water=1)	0.8280
Volatility (Volume)	Density, lb./gal	6.894
Coefficient of Water/Oil Distribution	Volatility (Volume)	80-90%
Coefficient of Water/Oil Distribution	VOC	Unknown
Coefficient of Water/Oil Distribution	pH	Essentially Neutral
Odor Threshold	Coefficient of Water/Oil Distribution	Not Determined
Odor Threshold	Odor	Mild, Bland ether odor
Viscosity, cSt @ 100°C	Odor Threshold	Not Determined
Viscosity, cSt @ 40°CNot Applicable	Appearance	Light straw,transparent
Viscosity, cSt @ 40°CNot Applicable	Viscosity, cSt @ 100°C	Not Applicable

Section 10: Stability and Reactivity

STABILITY: Stable. Avoid applications to hot surfaces.

INCOMPATIBILITY: Avoid contact with strong oxidants.

Product Code: AEF, Engine Flush Page 2 of 4

AMSOIL Material Safety Data Sheet

Date Issued/Revised: November 15, 2004 Supersedes: January 7, 2003

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OF PRODUCT: May produce fumes when heated to decomposition. Toxic

oxides of carbon.

Section 11: Toxicological Information

ACUTE EXPOSURE

Eye Irritation: Moderate to strong eye irritation. Based on data from components or similar

material.

Skin Irritation: Not expected to be a primary skin irritant. Based on data from components or

similar material. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying,

defatting, and cracking of the skin.

Respiratory Irritation: If material is misted or if vapors are generated from heating, exposure may cause

irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil. Based on data from components or similar materials. Under good industrial hygiene practices where all exposure limits are observed,

respiratory irritation should not be a problem.

CHRONIC EXPOSURE

Chronic Toxicity: Some components may aggravate liver and kidney disease, anemia, coronary

disease or rhythm disorders of the heart. Only in quantities exceeding the TLV..

Carcinogenicity: No data available to indicate product present at greater than 0.1% are a

carcinogenic hazard.

Mutagenicity: No data available to indicate product present at greater than 1.0% present a

mutagenic or genotoxic hazard.

Reproductive Toxicity: No data available to indicate product present at greater than 1.0% present a

reproductive hazard.

Teratogenicity: No data available to indicate product present at greater than 1.0% present a

teratogenic hazards.

ADDITIONAL INFORMATION

Exposure Limits: Under conditions, which may generate mists, observe the OSHA PEL of 5 mg per

cubic meter, ACGIH STEL of 10 mg per cubic meter.

There are extensive toxicological data available on the various components of this product. An adequate representation of all these data is beyond the scope of this document. Please contact the AMSOIL Material Safety Data Sheet Coordinator for more details.

Section 12: Ecological Information

No data available on the adverse effects of this product on the environment.

Section 13: Disposal Considerations

Product Code: AEF, Engine Flush Page 3 of 4

AMSOIL Material Safety Data Sheet

Date Issued/Revised: November 15, 2004 Supersedes: January 7, 2003

Material is expected to be hazardous when disposed. Dispose of in accordance with all local, state and federal regulations.

Section 14: Transport Information

This product is classified as Combustible liquids N.O.S., NA1993 for DOT shipping. Hazard Label ORM-D. For further information relative to spills resulting from transportation incidents, refer to the latest DOT Emergency Response Guidebook for Hazardous Materials.

Section 15: Regulatory Information

U.S. Federal Regulations OSHA Table Z TSCA	
CERCLA 40 CFR 302.4SARA Title III	Not Applicable
Section 302 Extremely Hazardous Section 311/312	Not Applicable
Fire Hazard	Yes
Reactive Hazard	No
Release of Pressure	No
Acute Health Hazard	Yes
Chronic Health Hazard	No
Section 313 Toxic Chemical	
	CAS# 111-76-2 @ 20-25%
U.S. State Regulations California (Prop 65)	
Does not contain chemicals known to the state of California to cause cancer.	
International Regulations	
WHMIS	All components listed

Section 16: Other Information

The information and recommendations contained herein are, to the best of AMSOIL's knowledge and belief, accurate and reliable as of the date issued. AMSOIL makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and AMSOIL shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with AMSOIL's interpretation of the available data.

Product Code: AEF, Engine Flush Page 4 of 4