

AMSOIL Material Safety Data Sheet

Date Issued/Revised: February 1, 2007

Supersedes: October 1, 2004

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

AMSOIL Product Code.....ANT
 Product Label Name.....Propylene Glycol Antifreeze and Engine Coolant
 Product Use.....Antifreeze and Engine Coolant

Section 2: Composition/Information on Ingredients**OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)**

Propylene Glycol, CAS# 57-55-6, appx weight=>90%

Section 3: Hazards Identification

POTENTIAL HEALTH EFFECTS: May cause minor eye irritation.

Section 4: First Aid Measures

EYE: Flush with water for 15-20 minutes. Seek medical attention if irritation develops.

SKIN: Wash with soap and water. 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: Call a physician or emergency medical facility immediately!

Section 5: Fire Fighting Measures

FLAMMABILITY PROPERTIES: Flash Point >200°F
 Method Pensky Martens Closed Cup
 LEL/UEL.....2.6 / 12.5
 Auto-ignition TemperatureNot Determined

EXTINGUISHING MEDIA: Water spray, dry chemical, carbon dioxide or alcohol resistant foam.

UNUSUAL FIRE & EXPLOSION HAZARDS: Water spray may be ineffective in fighting fires, but may be used to cool closed containers. Full protective equipment including self-contained breathing apparatus should be used.

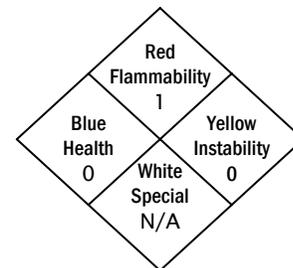
FIREFIGHTING EQUIPMENT: Full bunker gear recommended. Including a positive pressure self-contained breathing apparatus.

Section 6: Accidental Release Measures

SMALL SPILL: Absorb on inert material and place in closed container for proper disposal.

LARGE SPILL: Dike to prevent contamination of waterways or going to sewer. Spills and releases may have to be reported to Federal and/or local authorities

NFPA & HMIS Rating



Section 7: Handling and Storage

HANDLING: Keep containers closed. Avoid contact with eyes, skin or clothing. Wash hands after handling.

STORAGE: Store in dry location at room temperature. Keep container closed and maintain all original markings and labels.

OTHER: Do not reuse container without recycling or reconditioning. Handle empty containers as if they were full.

Section 8: Exposure Controls/Personal Protection

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

RESPIRATORY: Not required under normal conditions of use.

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.

HYGIENIC PRACTICES: Avoid contact with skin and void breathing vapors or mist. Do not eat, drink, or smoke while using this product. Wash up prior to eating, drinking or using the restroom.

Section 9: Physical and Chemical Properties

Physical State	Liquid
Boiling Point	365°F (177° C)
Vapor Pressure	<0.1
Vapor Density (Air=1)	>1
Evaporation Rate	Not Determined
Solubility in Water	Complete
Specific Gravity (Water=1)	1.03 – 1.06
Density, lb./gal.	Not Determined
Volatility (Volume)	Not Determined
VOC	Unknown
pH	7.5 – 9.0
Coefficient of Water/Oil Distribution	Not Determined
Odor	Mild, Odorless
Odor Threshold	Not Determined
Appearance	Yellow, Transparent
Viscosity, cSt @ 100°C	Not Applicable
Viscosity, cSt @ 40°C	Not Applicable
Viscosity Index	Not Applicable

Section 10: Stability and Reactivity

STABILITY: Stable under moderately elevated temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OF PRODUCT: Various organic compounds and oxides or carbon.

Section 11: Toxicological Information**ACUTE EXPOSURE**

- Eye Irritation: Mild to moderate eye irritation. Based on data from components or similar materials.
- 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: Vapor inhalation under ambient conditions is normally not a problem. Hot vapors may irritate pre-existing asthma.

CHRONIC EXPOSURE

- Chronic Toxicity: No data available to indicate product present at greater than 1.0% are chronic health hazards.
- 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: This product does not contain any components, which have recognized exposure limits.

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

ACUTE EFFECTS: LC50 (fathead minnow) = 20-34 g/kg
LC50 (rainbow trout) = 10 g/kg

Section 13: Disposal Considerations

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and recovery act (RCRA) 40 CFR 261. 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 a non-hazardous material for DOT shipping. 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 Not Applicable
- TSCA Listed
- CERCLA 40 CFR 302.4..... Not Applicable
- SARA Title III
- Section 302 Extremely Hazardous..... Not Applicable
- Section 311/312
- Fire Hazard No
- Reactive Hazard..... No
- Release of Pressure..... No
- Acute Health Hazard..... No
- Chronic Health Hazard..... No
- Section 313 Toxic Chemical Not Applicable

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.