

**AMSOIL Material Safety Data Sheet**

Date Issued/Revised: May 20, 2009

Supersedes: February 21, 2006

**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 .....ADA  
 Product Label Name.....SLIP LOCK FLUID  
 Product Use.....Automotive Gear Oil Additive

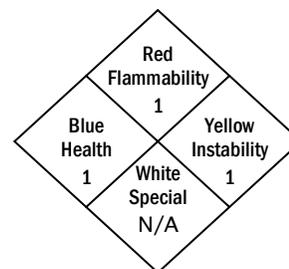
**Section 2: Composition/Information on Ingredients**

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Alkenyl Phosphite, CAS# - Confidential,  
 Percentage (by wt.) From 10 to 19.9%

\*See Section 8 for exposure limits.

NFA Rating

**Section 3: Hazards Identification**

POTENTIAL HEALTH EFFECTS: Minor eye, inhalation and skin irritant.

\*See Section 11 for toxicological information.

**Section 4: First Aid Measures**

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

SKIN: Wash immediately 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: 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.

**Section 5: Fire Fighting Measures**

FLAMMABILITY PROPERTIES: Flash Point ..... 381°F(194°C)  
 Method .....PMCC ASTM D-93  
 LFL/UFL.....Not Determined  
 Auto-ignition Temperature .....Not Determined

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, and foam. Water can be used to cool and protect exposed material.

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

Section 6: Accidental Release Measures

Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated area. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under Transportation & Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

Section 7: Handling and Storage

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

STORAGE: 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/MSHA approved respirator when necessary.

SKIN: Use Viton or Nitrile gloves to avoid prolonged or repeated skin contact. Long shirt is recommended.

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

**EXPOSURE LIMITS: The Threshold Limit Value (TLV) of 5 mg/m<sup>3</sup> is suggested for oil mist.**

Section 9: Physical and Chemical Properties

Physical State .....	Liquid
Boiling Point .....	Not Determined
Freezing/Melting Point .....	-15°C
Vapor Pressure .....	Not Determined
Vapor Density (Air=1).....	Negligible
Evaporation Rate .....	Not Determined
Solubility in Water .....	Negligible
Specific Gravity (Water=1) .....	0.88.11
Density, lb./gal. ....	7.337
Volatility (Volume) .....	Negligible
VOC .....	Unknown
pH.....	Not Determined
Coefficient of Water/Oil Distribution .....	Not Determined
Odor .....	Mild
Odor Threshold .....	Not Determined
Appearance.....	Amber Colored Liquid
Viscosity, cSt @ 100°C.....	9.90
Viscosity, cSt @ 40°C.....	75.42

Section 10: Stability and Reactivity

STABILITY: Material can become unstable at elevated temperatures and pressures

INCOMPATIBILITY: Avoid contact with strong oxidants.

HAZARDOUS POLYMERIZATION: Will not occur.

THERMAL DECOMPOSITION: Smoke, carbon monoxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of the following elements will be formed: phosphorus

Section 11: Toxicological Information

ACUTE EXPOSURE

Eye Irritation: Not expected to cause eye irritation. Based on data from components or similar material.

Skin Irritation: May cause skin irritation. 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: No data available to indicate product present at greater than 1.0% are chronic health hazards.

Carcinogenicity: This product is formulated with mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have demonstrated to contain less than 3% extractables by the IP 346 test.

Mutagenicity: No data available to indicate product present at greater than 0.1% present a mutagenic or genotoxic hazard.

Reproductive Toxicity: No data available to indicate product present at greater than 0.1% present a reproductive hazard.

Teratogenicity: No data available to indicate product present at greater than 0.1% present a teratogenic hazards.

ADDITIONAL INFORMATION

Exposure Limits: Contains mineral oil. Under conditions, which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.

**Section 12: Ecological Information**

Freshwater Fish Toxicity: The acute EC50 for freshwater fish is 100 – 1000 ppm based on component data

Bacteria Toxicity: The acute EC50 for bacteria is >1000 ppm based on component data.

**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.

**Section 14: Transport Information**

This product is not classified as 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 ..... All Components Listed
- CERCLA 40 CFR 302.4..... None Known
- 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 ..... Yes
    - Chronic Health Hazard.....No
  - Section 313 Toxic Chemical..... Not Applicable

**U.S. State Regulations**

**California (Prop 65)**

This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: <1 ppm cadmium <1 ppm lead <1 ppm arsenic

**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.