

AMSOIL Material Safety Data Sheet

Date Issued/Revised: November 15, 2004
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Section 1: Product and Company Identification

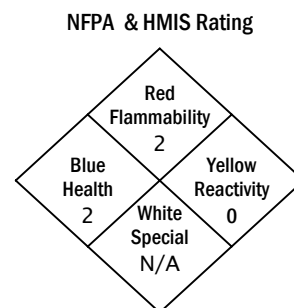
Manufacturer: AMSOIL, Inc. Telephone: CHEMTREC (Spill Emergency Only): 1-800-424-9300
925 Tower Avenue Information: 715-392-7101
Superior, WI 54880

AMSOIL Product Code AMP
Product Label Name Metal Protector (NON-AEROSOL)
Product Use Synthetic Hydrocarbon-Based Rust Preventative and Lubricating Fluid

Section 2: Composition/Information on Ingredients

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Component	CAS#	Weight%
Stoddard Solvents	8052-41-3	70-80%
ACGIH: TLV: 525mg/m ³ , 100 ppm, OSHA PEL: 500 ppm		
Paraffin Wax, CAS# 64742-610-6		0.5-1.5%



Please Note: The chemical identity of some or all of the above ingredients is confidential business information and may be withheld as permitted by 29 CFR 1910 1200 and various State Right to Know Laws. Trade secret may apply.

*See Section 8 for exposure limits.

Section 3: Hazards Identification

POTENTIAL HEALTH EFFECTS: WARNING! Combustible Liquid, causes eye and skin irritation. Inhalation irritant.

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. **CAUTION: Harmful or Fatal if Swallowed**
- ADDITIONAL** Note to physician: Treat symptomatically.

Section 5: Fire Fighting Measures

FLAMMABILITY PROPERTIES: Flash Point 123°F(51°C)
Method PMCC ASTM D-93
LFL/UFL Not Determined
Auto-ignition Temperature Not Determined

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

FIREFIGHTING EQUIPMENT: Full bunker gear recommended, including a positive pressure self-contained breathing apparatus. Water may cause spattering. Frothing material will float on water.

Section 6: Accidental Release Measures

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: Keep away from potential sources of ignition. Avoid breathing vapors. Avoid contact with eyes, skin or clothing. Wash hands after handling. Empty container may retain product residue which may exhibit hazards of product.

STORAGE: Do not store near potential sources of ignition. Store in well ventilated area. 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

Physical State	Liquid
Boiling Point	298 ° F (148 ° C)
Freezing/Melting Point	Not Determined
Vapor Pressure	Not Determined
Vapor Density (Air=1).....	Not Determined
Evaporation Rate	Not Determined
Solubility in Water	Insoluble
Specific Gravity (Water=1)	0.81
Density, lb./gal.....	6.75
Volatility (Volume)	Unknown
VOC.....	Unknown
pH.....	Not Determined
Coefficient of Water/Oil Distribution	Not Determined
Odor	Hydrocarbon Solvent Odor
Odor Threshold	Not Determined
Appearance.....	Light Colored Fluid
Viscosity, cSt @ 100°C	Not Applicable

Viscosity, cSt @ 40°C Not Applicable
Viscosity Index Not Applicable

Section 10: Stability and Reactivity

STABILITY: Stable. Avoid contact with hot surfaces.

INCOMPATIBILITY: Avoid contact with strong oxidants, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OF PRODUCT: Thermal decomposition products may include toxic oxides of carbon, aldehydes and other products of incomplete combustion.

Section 11: Toxicological Information

ACUTE EXPOSURE

- Eye Irritation:** Moderate eye irritation. Based on data from components or similar material.
- Skin Irritation:** Moderate 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.
- Inhalation Toxicity:** No data available to indicate product or components may be a toxic inhalation hazard. However, high concentrations may cause headaches, dizziness, nausea, stupor and other CNS effects leading to visual impairment, difficulty breathing and convulsions.
- 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% are chronic health hazards.
- Carcinogenicity:** Contains less than 0.01% Benzene, Dimethyl CAS# 1330-02-07.
- 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.

Section 12: Ecological Information

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

Section 13: Disposal Considerations

Material is expected to be hazardous when disposed, Dispose of in accordance with all local, state and federal regulations 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 Petroleum Distillates
- TSCA Not Applicable
- CERCLA 40 CFR 302.4..... Not Applicable
- SARA Title III
 - Section 302 Extremely Hazardous..... Not Applicable
 - Section 311/312
 - Fire Hazard Yes
 - 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)
 - Does not contain chemicals known to the state of California to cause cancer.

International Regulations

- WHMISAll components listed

Section 16: Other Information

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