

AMSOIL Material Safety Data Sheet

Date Issued/Revised: June 13, 2000
Supersedes: August 17, 1999

Section 1: Product and Company Identification

Manufacturer: AMSOIL, Inc.
925 Tower Avenue
Superior, WI 54880

Telephone: CHEMTREC (Spill Emergency Only): 1-800-424-9300
Information: 715-392-7101

AMSOIL Product Code.....AMH
Product Label Name.....MP HD Heavy Duty Metal Protector (Aerosol)
Product Use.....Synthetic Hydrocarbon-Based Rust Preventative Fluid

Section 2: Composition/Information on Ingredients

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Stoddard Solvent, CAS# 8052-41-3, appx weight=16%

ACGIH TLV: 525 mg/m³ (mist), OSHA PEL: 100 ppm

Heptane, CAS# 142-82-5, appx wt=24%

ACGIH TLV: 400 ppm & OSHA PEL: 100 ppm

Propane, CAS# 74-98-6, appx wt=21%

ACGIH TLV: Asphyxiant & OSHA PEL: 1000 ppm

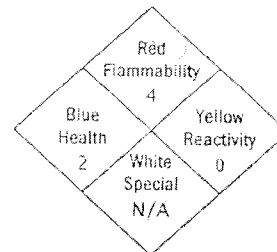
Petroleum Oil, CAS# 64742-52-5, appx wt=2%

OSHA PEL 5 mg/m³ (mist)

Butane, CAS# 106-97-8

ACGIH TLV: 800 ppm & OSHA PEL: 800 ppm

NFPA & HMIS Rating



Section 3: Hazards Identification

WARNING!

Extremely Flammable Liquid, vapor may cause flash fire

POTENTIAL HEALTH EFFECTS: Eye, inhalation, skin irritation.

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.

Section 5: Fire Fighting Measures

FLAMMABILITY PROPERTIES: Flash Point <156°F(54°C)
Method Estimated
LFL/UFL 0.7 / 9.5
Auto-ignition Temperature..... Not Determined

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

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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

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

Physical State.....	Liquid
Boiling Point.....	<0-305°F (Aerosol)
Freezing/Melting Point.....	Not Applicable
Vapor Pressure.....	Not Determined
Vapor Density (Air=1).....	>1
Evaporation Rate.....	Not Determined
Solubility in Water.....	Not Available
Specific Gravity (Water=1).....	0.6500
Density, lb./gal.....	5.45
Volatility (Volume).....	95% (Less Federally Exempt Solvents)
VOC.....	Unknown
pH.....	Not Determined
Coefficient of Water/Oil Distribution.....	Not Determined
Odor.....	Mild Petroleum
Odor Threshold.....	Not Determined
Appearance.....	Clear, Fluid Spray
Viscosity, cSt @ 100°C.....	Not Applicable
Viscosity, cSt @ 40°C.....	Not Applicable
Viscosity Index.....	Not Applicable

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Section 10: Stability and Reactivity

STABILITY: Stable. Avoid applications to hot surfaces.

INCOMPATIBILITY: Avoid contact with strong oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OF PRODUCT: May produce fumes when heated to decomposition. Fumes may contain 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: 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: 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.

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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.

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.....Not Applicable
- TSCA..... Listed
- CERCLA 40 CFR 302.4.....Hexane, CAS# 110-54-3
-Cyclohexane, CAS# 110-82-7
- SARA Title III
- Section 302 Extremely HazardousNot Applicable
- Section 311/312
- Fire Hazard.....Yes
- Reactive Hazard..... No
- Release of Pressure.....Yes
- Acute Health Hazard.....Yes
- Chronic Health Hazard..... No
- Section 313 Toxic Chemical.....Hexane, CAS# 110-54 3
- Cyclohexane, CAS# 110-82-7

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.