

**AMSOIL Material Safety Data Sheet**

Date Issued/Revised: August 19, 2009

Supersedes: April 9, 2008

**Section 1: Product and Company Identification**

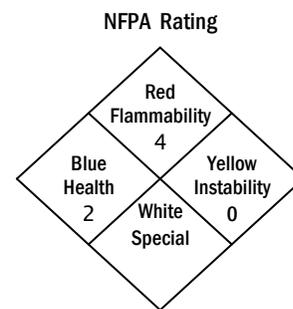
Manufacturer: AMSOIL, Inc. Telephone:  
 925 Tower Avenue CHEMTREC (Spill Emergency Only): 1-800-424-9300  
 Superior, WI 54880 Information: 715-392-7101

AMSOIL Product Code ..... AMW  
 Product Label Name ..... Miracle Wash (AEROSOL)  
 Product Use ..... AUTOMOTIVE CARE

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

Component	CAS#	Weight%
Hydro-Treated Light Petroleum Distillate	64742-47-8	8%
ACGIH: TLV: N/A & OSHA PEL: N/A		
Propane, .	74-98-6	9%
ACGIH: TLV: Asphyxiant & OSHA PEL: 1000 ppm		
Butane	106-97-8	15%
ACGIH: TLV: 800 ppm & OSHA PEL: 800 ppm		

\*See Section 8 for exposure limits.

**Section 3: Hazards Identification**

POTENTIAL HEALTH EFFECTS: WARNING! Extremely Flammable Liquid, vapor may cause flash fire.  
 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 ..... Less than Zero (-156°F)  
 Method ..... Estimated  
 LFL/UFL ..... 1.9/9.5  
 Auto-ignition Temperature ..... Not Determined

**EXTINGUISHING MEDIA:** Foam, Alcohol Foam, CO<sub>2</sub>, Dry Chemical, Water Fog.

**FIREFIGHTING EQUIPMENT:** Full bunker gear recommended, including a positive pressure self-contained breathing apparatus. Water may be used to cool and protect exposed material. 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:** Do not puncture or incinerate can. Do not stick pin, nail; or other sharp object into opening on top of can. 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 and use in cool, dry, well ventilated areas. Do not store above 120 °F. 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/m<sup>3</sup> 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

- WHMIS ..... All components listed

**Section 16: Other Information**

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