

AMSOIL Material Safety Data Sheet

Date Issued/Revised: October 8, 2002
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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

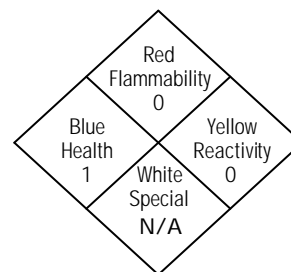
AMSOIL Product Code AMW
Product Label Name AMSOIL MIRACLE WASH, WATERLESS WASH AND POLISH
Product Use AUTOMOTIVE CARE

Section 2: Composition/Information on Ingredients

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Hydro-Treated Light Distillate CAS# 64742-53-6
ACGIH TLV: 100 ppm, OSHA PEL: 500 ppm
Morpholine, CAS# 110-91-8, appx wt=<1%
ACGIH TLV and OSHA PEL Not Given

NFPA & HMIS Rating



*See Section 8 for exposure limits.

Section 3: Hazards Identification

POTENTIAL HEALTH EFFECTS: Eye irritant, Skin irritant

*See Section 11 for toxicological information.

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 material. 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 152°F(66° C)
Method Unknown
LFL/UFL Not Determined
Auto-ignition Temperature Not Determined

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

FIREFIGHTING EQUIPMENT: Full bunker gear recommended including a positive pressure self-contained breathing apparatus Water may be used to cool and protect exposed material.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Product should be cooled with water fog. Keep away from open flame.

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: Limit Value (TLV) of 5mg/m³ is suggested for oil mist.

Section 9: Physical and Chemical Properties

Physical State	Liquid
Boiling Point	Not determined
Freezing/Melting Point	Not Applicable
Vapor Pressure	Not Determined
Vapor Density (Air=1)	> 1
Evaporation Rate.....	Not Determined
Solubility in Water.....	Complete
Specific Gravity (Water=1).....	0.97
Density, lb./gal.....	8.08
Volatility (Volume).....	93-95 %
VOC	Unknown
pH	8.9 – 9.5
Coefficient of Water/Oil Distribution	Not Determined
Odor.....	Hydrocarbon odor
Odor Threshold.....	Not Determined
Appearance	Creamy white Liquid
Viscosity, cSt @ 100°C	N/A
Viscosity, cSt @ 40°C.....	N/A
Viscosity Index	N/A

Section 10: Stability and Reactivity

STABILITY: Stable. Avoid contact with hot surfaces.

INCOMPATIBILITY: Avoid contact with strong oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OF PRODUCT: Thermal decomposition of product may include carbon monoxide, overexposure may cause a health hazard.
None.

Section 11: Toxicological Information

ACUTE EXPOSURE

Eye Irritation: Mild eye irritant. 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.

Ingestion: Swallowing may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea and abdominal pain.

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.

Section 12: Ecological Information

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

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

Combustible Liquid. N.O.S. NA1993 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 Not Applicable
- TSCA Not Applicable
- 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 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

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.