

AMSOIL Material Safety Data Sheet

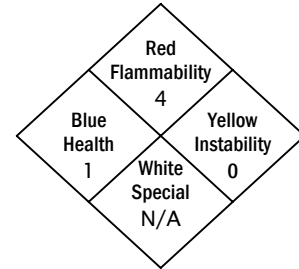
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Section 1: Product and Company Identification

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

AMSOIL Product CodeARS
Product Label Name RAIN SHIELD WINDSHIELD PROTECTANT
Product Use WINDSHIELD PROTECTANT

NFPA & HMIS Rating



Section 2: Composition/Information on Ingredients

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Component	CAS#	Weight%
Isopropyl Alcohol.....	67-63-0.....	NA
ACGIH: 400 ppm, OSHA PEL: 400 ppm		
Sulfuric Acid	7664-93-9.....	NA
ACGIH: 1 mg/m ³ , OSHA PEL: 1 mg/m ³		

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: Eye irritant, Skin irritant

Section 4: First Aid Measures

- EYE: Flush with water for 15-20 minutes. Seek medical attention if irritation develops.
- SKIN: Wash soap and water. Remove contaminated clothing and launder before reuse. Application of hand cream will relieve dryness. 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 Point61°F(16°C)
Method COC ASTM D-92
LFL/UFL2.0 / 12.0
Auto-ignition TemperatureNot 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.

UNUSUAL FIRE & EXPLOSION HAZARDS: Exposure to heat builds up pressure in closed containers. Cool with water.

Section 6: Accidental Release Measures

Isolate spill area. Provide adequate ventilation. Wear appropriate personal protection. Recover free product for with absorbent material and place in non-leak containers for disposal. Flush area with water for trace residue. NOTE: Keep from sources of heat and flame. 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 containers closed. Do not puncture or incinerate can. 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 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: Not Applicable

Section 9: Physical and Chemical Properties

Physical State	Liquid
Boiling Point	Not Determined
Freezing/Melting Point	Not Determined
Vapor Pressure	Not Determined
Vapor Density (Air=1)	>1
Evaporation Rate	<1
Solubility in Water	Slightly
Specific Gravity (Water=1)	0.7900
Density, lb./gal	6.60 – 6.70
Volatility (Volume)	N/A
VOC	Unknown
pH	N/A
Coefficient of Water/Oil Distribution	Not Determined
Odor	Isopropyl Alcohol Odor
Odor Threshold	Not Determined
Appearance	Clear
Viscosity, cSt @ 100°C	N/A
Viscosity, cSt @ 40°C	N/A
Viscosity Index	N/A

Section 10: Stability and Reactivity

STABILITY: Stable. Keep from source of heat and flames

INCOMPATIBILITY: Avoid contact with strong oxidants,

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OF PRODUCT: Carbon Monoxide/Dioxide may form during combustion.

Section 11: Toxicological Information

ACUTE EXPOSURE

- Eye Irritation: Mild 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.
- 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% are chronic health hazards.
- Carcinogenicity: No data available to indicate product present at greater than 1% are chronic health hazards.
- 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 classified as hazardous flammable material for DOT shipping. For further information relative to spills resulting from transportation incidents, refer to the latest DOT Emergency Response Guidebook from Hazardous Materials.

Section 15: Regulatory Information

U.S. Federal Regulations

- OSHA Table Z N/A
- 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

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.