

Aaron Industries Inc.  
1874 Hwy 72 West  
Clinton, South Carolina 29325  
1-800-525-2558

**MATERIAL SAFETY DATA SHEET**  
**MINERAL OIL HEAVY**

Revision : 1/5/12

**SECTION I**

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Manufacturer: Sonneborn Inc.

Address:

100 Sonneborn Lane

Petrolia, PA 16050

Telephone: 724-756-2210

Emergency Phone (Chemtrec):

(800) 424-9300

Trade Name:

Mineral Oil, USP (CAS#: 8042-47-5)

Synonyms:

White Mineral Oil, USP

Distributed By:

Aaron Industries Incorporated

1874 Hwy. 72 West

PO Box 305

Clinton, SC 29325

**SECTION II**

**INGREDIENTS**

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Component Name:

White Mineral Oil

Hazardous In Blend:

No

Percentage:

100.00 Maximum

Component Exposure Limits:

OSHA PEL - No Limit

ACGIH TLV - No Limit

**SECTION III**

**HEALTH EFFECT INFORMATION**

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Eye Contact: This product is non-irritating to the eyes upon direct contact.

Skin Contact: This product is not expected to cause any irritation upon direct single or repeated and prolonged contact; however, similar chemical composition products applied to the skin of laboratory animals resulted in minimal to slight dermal irritation.

Inhalation: This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product. The threshold limit value (TLV) for this product as oil mist is 5 mg/m<sup>3</sup>. Exposure below 5 mg/m<sup>3</sup> appears to be without significant health risk.

Ingestion: Ingestion is relatively non-toxic unless aspiration occurs. This product has laxative properties and may result in abdominal cramps and diarrhea. See Health Data Section.

Health Data: On rare occasions, prolonged and repeated exposure to oil mist poses a risk of pulmonary disease such as chronic lung inflammation. This condition is usually asymptomatic as a result of repeated small aspirations. Shortness of breath and cough are the most common symptoms. Aspiration may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage, and may be fatal. Signs of lung involvement include increased respiration rate, increased heart rate, and a bluish discoloration of the skin. Coughing, choking, and gagging are often noted at the time of aspiration. Gastrointestinal discomfort may develop, followed by vomiting, with further risk of aspiration.

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**SECTION IV**

**EMERGENCY & FIRST AID PROCEDURES**

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Eye Contact: Immediately flush eyes with large amounts of water and continue flushing for 15 minutes. If material is hot, treat for thermal burns and take victim to the hospital immediately.

Skin Contact: Remove contaminated clothing. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.

Inhalation: This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions. If vapor or mist is generated when the material is heated or handled, remove victim from exposure. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available. If victim is unconscious, remove to fresh air and seek medical attention.

Ingestion: May act as a laxative. Do not induce vomiting.

**SECTION V**

**PERSONAL HEALTH PROTECTION**

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Eye Protection: Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

Skin Protection: No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious synthetic rubber clothing (boots, gloves, aprons, etc.) over parts of the body subject to exposure. If handling hot material, use insulated protective clothing (boots, gloves, aprons, etc.)

Respiratory Protection: Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust or mist filter. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon atmosphere.

Ventilation: If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits.

Other: Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking.

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SECTION VI	FIRE PROTECTION INFORMATION
Flash Point: 420°F	Test Method: C.O.C.
Auto-ignition Temperature: No Data	Test Method: No Data
Flammable Limits in Air % by Vol.	Lower: No Data Upper: No Data
Extinguishing Media: Use dry chemical, foam, or carbon dioxide.	
Special Fire Fighting Procedures: Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.	
Unusual Fire and Explosive Conditions: Dense smoke may be generated when burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.	

SECTION VII	REACTIVITY DATA
Stability (Thermal, Light, etc.):	Stable
Conditions to Avoid:	None
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid:	None
Incompatibility Materials to Avoid:	May React with Strong Oxidizing Agents.
Hazardous Decomposition Products:	None

SECTION VIII	ENVIRONMENTAL PRECAUTIONS
Steps to be taken if Material is Released or Spilled: Consult Health Effect Information in Section III, Personal Health Protection Information in Section V, Fire Protection Information in Section VI, and Reactivity Data in Section VII. Notify appropriate authorities of spill. Contain spill immediately. Do not allow spill to enter sewers or water-courses. Remove all sources of ignition. Absorb with appropriate inert material such as sand, clay, etc. Large spills may be picked up using vacuum pumps, shovels, or buckets, or other means and placed in drums or other suitable containers. Waste Disposal Method: All disposal must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. Refer to state and local regulations. CAUTION: If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. Waste material may be landfilled or incinerated at an approved facility. Materials should be recycled if possible.	

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**SECTION IX**

**MISCELLANEOUS**

Handling and Storage Requirements: Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open flame, or oxidizing materials. This product is not classified as hazardous under DOT regulations. Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106. Flammable and combustible liquids.

Additional Information: No Additional Information.

NFPA Hazard Identification:

Degree of Hazard

Health: 0

Fire: 1

Reactivity: 0

Hazard Ratings

0 - Least

1 - Slight

2 - Moderate

3 - High

4 - Extreme

**SECTION X**

**PHYSICAL PROPERTIES**

Specific Gravity @ 25°C/25°C

0.8690-0.8850

Boiling Point: 655° F

Percent Volatile: NIL

Melting Point: N/A

Vapor Density (Air = 1): No Data

Appearance: Transparent Water-White Liquid

Evaporation Rate (EE = 1): < 1

Odor: Odorless

Specific Gravity: 0.882 @ 60/60°F

Vapor Pressure: < 1 mm Hg @ 70°F

Molecular Weight: Varies

Viscosity kin @ 40°C

64.5-69.70

Solubility: Soluble in Hydrocarbons

**DISCLAIMER OF WARRANTY:**

This information contained herein is based upon data available to us, and reflects our best professional judgement. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained

herein may be applied under conditions or use beyond our control and with which we may be unfamiliar. We do not assume the responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. Required under USDL Safety and Health Regulations for ship repairing, ship building, and ship breaking. (29 CFR 1915, 1916, 1917). By: Environmental, Safety and Health (713) 546-8512  
Effective Date: December 16, 1985