



# MATERIAL SAFETY DATA SHEET



## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT:** White Mineral Oil

April 14, 2010

Vishay Measurements Group, Inc.  
Post Office Box 27777  
Raleigh, NC 27611

919-365-3800

CHEMTREC 1-800-424-9300 (U.S.)  
703-527-3887 (Outside U.S.)

NOTE: CHEMTREC numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

## SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

CAS NUMBER	CHEMICAL IDENTITY	%
8042-47-5	White Mineral Oil	100

## SECTION 3: HEALTH HAZARD DATA

**Routes of Entry:** Inhalation: Not likely  
Skin: Not likely  
Ingestion: Not likely

**Health Hazards (Acute and Chronic):** Not expected to present a significant health hazard under anticipated conditions of use. No significant signs or symptoms indicative of any adverse health effects are expected to occur.

**Carcinogenicity:** NTP: Not listed  
IARC Monographs: Not listed  
OSHA Regulated: Not listed

### Signs and Symptoms of Exposure:

**INHALATION:** No significant adverse health effects are expected to occur upon short-term exposure.

**EYE CONTACT:** No eye irritation is expected from short-term exposure.

**SKIN CONTACT:** No skin irritation is expected from short-term exposure.

**INGESTION:** If swallowed, no significant adverse health effects are expected to occur from short-term exposure. However, ingestion may be irritating to the digestive tract and might have a laxative effect. Aspiration into the lungs will cause lipoid pneumonia.

**Conditions Generally Aggravated by Exposure:** None known.

#### SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

**INHALATION:** Vaporization is not expected at ambient temperatures. This material is not expected to be an inhalation problem under anticipated conditions of use. In case of over exposure, move the person to fresh air.

**EYE CONTACT:** Flush with plenty of water for at least fifteen minutes, occasionally lifting the eyelids. If pain or redness persists after flushing, obtain medical attention.

**SKIN CONTACT:** Remove by wiping the oil off the skin, and then wash skin thoroughly with plenty of mild soap and water. Remove contaminated clothing and thoroughly clean before reuse. Discard contaminated leather gloves and shoes.

**INGESTION:** Swallowing less than one-half cup is not expected to cause harm. If ingested, do NOT induce vomiting. If irritation, discomfort, or vomiting occurs, immediately obtain medical attention.

#### SECTION 5: FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** 365°F (185°C)

**Flammable limits:** LEL: 1.0 UEL: 7.0 (At or approaching flash point)

**Extinguishing Media:** Dry chemical, carbon dioxide, foam, water fog, inert gas. For a large fire, use water fog, water spray, or foam. Foam and water are effective but may cause frothing. Never use a water jet because it may spread the fire to a larger area.

**Special Firefighting Procedures:** For fires involving this material, do not enter any enclosed or confined fire space without proper protective clothing and respiratory protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and/or oxygen deficiencies. Cool tanks and containers exposed to fire with water. Burning liquid will float on water.

**Unusual Fire and Explosion Hazards:** Slightly combustible. When heated above its flash point temperature, this material will release flammable vapors which, if exposed to an ignition source, can burn in the open or be explosive in confined spaces. Mists or sprays may be flammable at temperatures below the flash point.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Steps to be taken if material is released or spilled:** Contain spill and prevent from entering all bodies of water. If possible, safely stop flow of spill. Evacuate all non-essential personnel from the spill area due to slipping hazards. Absorb spill with inert material and place in a chemical waste container for later disposal. (Absorbent material and pads can be used.) This material will float on water. The spilled material and any soil or water which it has contacted may be hazardous to animal and/or aquatic life.

## SECTION 7: EXPOSURE CONTROLS -- PERSONAL PROTECTION

**Respiratory Protection:** None is needed under anticipated use conditions with adequate ventilation. If exposure exceeds the occupational exposure limits, follow OSHA standards or equivalent and wear proper NIOSH approved respirator.

**Ventilation:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the pertinent exposure limits.

**Protective Gloves:** No special skin protection is needed under normal conditions of use.

**Eye Protection:** Safety glasses should be adequate protection under most conditions of use. Wear goggles and/or face shield if splashing or spraying is likely, especially if material is heated above 125°F (51°C). Have suitable eyewash facility available.

**Other Protective Clothing or Equipment:** If conditions such as splashing or spraying present potential for exposure, clean and impervious protective clothing such as long sleeves, apron, or lab coat should be worn. When handling heated material also be sure to wear heat-resistant gloves and boots.

**Work / Hygienic Practices:** Use good industrial hygiene practices. Wash hands with soap and water after use and before eating, drinking, or smoking. Wash contaminated clothing before reuse. Ensure that an eyewash station and safety shower are near the work station location.

## SECTION 8: HANDLING AND STORAGE

**Precautions to be taken in handling and storing:** Keep containers closed when not in use. Store in a cool, dry, well-ventilated area. Combustible materials should be stored away from extreme heat, radiation sources, and strong oxidizing agents. Do not puncture, incinerate, or store containers at temperatures above 120°F (49°C) or in direct sunlight.

**Other Precautions:** Remove spillage immediately from hard, smooth walking areas. Avoid oxidizing agents. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated breathing of mist.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point:	575°F to 800°F (302°C to 427°C)
Vapor Pressure (mmHg):	<0.1 at 70°F (21.1°C)
Vapor Density (Air = 1):	>10
Specific Gravity (H <sub>2</sub> O = 1):	0.85
Melting Point:	<15°F (-9°C)
Evaporation Rate (BuAc = 1):	NA
Volatile Organic Compounds:	None
Solubility in Water:	Negligible

**Appearance and Odor:** Colorless; odorless liquid.

**SECTION 10: STABILITY AND REACTIVITY DATA**

**Stability:** Stable.

**Conditions to Avoid:** Extreme heat and open flame.

**Incompatibility (Materials to Avoid):** Strong acids, alkalis, and oxidizers such as liquid chlorine and oxygen.

**Hazardous Decomposition or By-products:** Burning or excessive heating may produce smoke, carbon monoxide, carbon dioxide, and possibly other harmful gases/vapors.

**Hazardous Polymerization:** Not expected to occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

White Mineral Oil

OSHA PEL:	5 mg/m <sup>3</sup> TWA (MIST)
ACGIH TLV:	5 mg/m <sup>3</sup> TWA (MIST)
OTHER:	Not established

**SECTION 12: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Dispose of in accordance with local, state, and federal environmental regulations.

**SECTION 13: TRANSPORTATION INFORMATION**

SHIPPING NAME	CLASS	UN NUMBER
Not regulated.		

**SECTION 14: REGULATORY INFORMATION**

**SECTION 313 SUPPLIER NOTIFICATION:**

This product contains a toxic chemical or chemicals (as listed below) subject to the reporting requirements of Section 313 Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

<b>CAS NUMBER</b>	<b>CHEMICAL NAME</b>	<b>% BY WEIGHT</b>
None		

**TSCA NOTIFICATION:**

All components of this product are listed in the Toxic Substance Control Act Chemical Substance Inventory (TSCA).

**SECTION 15: OTHER INFORMATION**

To the best of our knowledge, the information provided above meets the requirements of the United States Occupational Safety and Health Act and regulations established under 29 CFR 1910.1200 (g)(2)(c)(1)-(4) for a mixture of hazardous chemicals which has not been tested as a whole. The data provided on this Material Safety Data Sheet is from manufacturers of the original components. Micro-Measurements specifically disclaims any and all form of liability and/or responsibility for the application of this product.