



# MATERIAL SAFETY DATA SHEET



## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: PLMH-9

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	%
51365-70-9	2,4,6-Tris (Dimethylamino/Methyl) Phenol Tri(2-Ethylhexoate)	100

## SECTION 3: HEALTH HAZARD DATA

### Routes of Entry:

Inhalation: Yes    Skin: Yes    Ingestion: Yes

Health Hazards (Acute and Chronic): Moderate eye irritant. Moderate skin irritant.

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

**Signs and Symptoms of Exposure:**

**INHALATION:** Inhalation of mists may cause irritation in the respiratory tract. Coughing and chest pain may result.

**EYE CONTACT:** Contact with eyes causes moderate irritation, redness and discomfort which is transient. Repeated and/or prolonged exposure may result in adverse eye effects such as conjunctivitis or corneal damage.

**SKIN CONTACT:** Contact with skin causes moderate irritation, redness and discomfort which is transient. Repeated and/or prolonged exposure may result in adverse skin effects such as defatting, rash, or irritation.

**INGESTION:** Not known.

**Conditions Generally Aggravated by Exposure:** Eye disease, skin disorders and allergies.

<b>SECTION 4: EMERGENCY AND FIRST AID PROCEDURES</b>
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**INHALATION:** Move to fresh air. If breathing has stopped or is labored give assisted respiration. Prevent aspiration of vomit. Turn victim's head to the side. Call a physician.

**EYE CONTACT:** Hold eyelids apart and immediately flush eyes with plenty of water for at least 20 minutes. Call a physician.

**SKIN CONTACT:** Remove product and immediately flush affected area with water for at least 20 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated leather apparel. Call a physician.

**INGESTION:** If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

<b>SECTION 5: FIRE AND EXPLOSION HAZARD DATA</b>
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**Flash Point (Method Used):** >275°F (>135°C) PMCC

**Flammable limits:** LEL: No Data UEL: No Data

**Extinguishing Media:** Suitable extinguishing media includes alcohol resistant foam, carbon dioxide, dry chemical, dry sand or limestone.

**Special Firefighting Procedures:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full faceshield operated in positive pressure mode. Move container from fire area if it can be done safely. Use water to keep fire-exposed containers cool.

**Unusual Fire and Explosion Hazards:** May generate toxic or irritating combustion products. Incomplete combustion may form carbon monoxide. May generate toxic nitrogen oxide gases. May generate ammonia gas. Personnel in vicinity and down wind should be evacuated.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Steps to be taken if material is released or spilled:** Stop the leak if possible. Shut off or remove all ignition sources. Construct a dike to prevent spreading. Place in an appropriate container. Clean-up personnel must be equipped with self-contained breathing apparatus and butyl rubber protective coating. Wear protective clothing, boots, gloves and eye protection.

## SECTION 7: EXPOSURE CONTROLS -- PERSONAL PROTECTION

**Respiratory Protection:** Not required under normal conditions in a well ventilated workplace.

**Ventilation:** Maintain air contaminant concentrations in the workplace at the lowest feasible levels.

**Protective Gloves:** Wear suitable gloves such as neoprene, butyl rubber, nitrile rubber. In emergency situations wear impermeable gloves with cuffs to prevent spread of material above the wrists.

**Eye Protection:** Chemical safety glasses or splash-proof eye goggles. In emergency situations, use eye goggles with a full face shield.

**Other Protective Clothing or Equipment:** Coveralls, aprons, boots as needed to prevent skin contact.

**Work / Hygienic Practices:** Use good industrial hygiene practices. Wash hands using soap and water after use and before eating, drinking or smoking. Wash contaminated clothing before reuse. Discard contaminated leather articles. Emergency shower and eye wash should be available.

## SECTION 8: HANDLING AND STORAGE

**Precautions to be taken in handling and storing:** Keep away from acids or oxidizers. Keep in cool, dry, well ventilated area. Keep containers closed. Store in steel containers. Do not store in iron or other reactive metal containers. Recommended suitable container materials include plastic, stainless, and carbon steels.

**Other Precautions:** Avoid breathing of vapors. Avoid contact with skin or eyes. When handling, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point:</b>	>392°F (200°C)
<b>Vapor Pressure (mmHg):</b>	<0.01
<b>Vapor Density (Air = 1):</b>	23.48
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	0.96
<b>Melting Point:</b>	No data
<b>Evaporation Rate (BuAc = 1):</b>	No data
<b>Volatile Organic Compounds:</b>	None
<b>Solubility in Water:</b>	Slightly soluble

**Appearance and Odor:** Amber colored, mobile liquid with ammoniacal odor.

## SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** Stable under normal conditions and use.

**Conditions to Avoid:** None known.

**Incompatibility (Materials to Avoid):** Mineral acids, organic acids, oxidizing agents. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. A reaction accompanied by large heat release occurs when the product is mixed with acids. Heat generated may be sufficient to cause vigorous boiling creating a hazard due to splashing or splattering of hot material.

**Hazardous Decomposition or By-products:** Carbon monoxide, carbon dioxide, ammonia, nitrogen oxides. Nitrogen oxide can react with water vapors to form corrosive nitric acid. May generate ammonia gas when heated. May generate irritating and toxic fumes at elevated temperatures.

**Hazardous Polymerization:** Will not occur.

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>
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2,4,6-Tris (Dimethylamino/Methyl) Phenol Tri(2-Ethylhexoate)

OSHA PEL:	Not established
ACGIH TLV:	Not established
OTHER:	ORAL (RAT) LD <sub>50</sub> 7500 mg/kg SKIN (RABBIT) LD <sub>50</sub> >2000 mg/kg

<b>SECTION 12: DISPOSAL CONSIDERATIONS</b>
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**Waste Disposal Method:** Dispose of in accordance with local, state, and federal environmental regulations.

<b>SECTION 13: TRANSPORTATION INFORMATION</b>
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SHIPPING NAME	CLASS	PACKING GROUP	UN NUMBER
Toxic Liquid, Organic, N.O.S. (2,4,6-TRIS) Toxic	6.1	II	2810

**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.