



MATERIAL SAFETY DATA SHEET



SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: PCH-8/PCH-8C

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	%
68410-23-1	Polyamide Resin	90-95
112-24-3	Triethylenetetramine	5-10

SECTION 3: HEALTH HAZARD DATA

Routes of Entry:

Inhalation: Yes Skin: Yes Ingestion: Accidental

Health Hazards (Acute and Chronic): None known.

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

Signs and Symptoms of Exposure:

INHALATION: May cause irritation to upper respiratory tract. Avoid prolonged or repeated inhalation of vapor/mist.

EYE CONTACT: May cause serious eye irritation.

SKIN CONTACT: May cause skin irritation. May cause an allergic skin reaction.

INGESTION: Do not take internally. May cause gastrointestinal irritation or ulceration. May cause burns of mouth and throat.

Conditions Generally Aggravated by Exposure: None known.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air. If symptoms persist, consult a physician.

EYE CONTACT: Flush with plenty of water for at least 20 minutes holding eyelids apart to ensure flushing of the entire surface. Call a physician.

SKIN CONTACT: Washing within one minute is essential to achieve maximum effectiveness. Flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Seek medical attention if irritation develops.

INGESTION: Do NOT induce vomiting. If vomiting occurs naturally, keep airway clear. Do not give fluids to an unconscious person. Call a physician.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): >365°F (>185°C) Cleveland Open Cup

Flammable limits: LEL: Not determined UEL: Not determined

Extinguishing Media: Water spray, carbon dioxide, foam, dry chemical.

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 produce hazardous fumes or hazardous decomposition products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: Using adequate protective equipment, add dry material to absorb spill (if large spill, first dike to contain). Place in labeled container for recovery or disposal.

SECTION 7: EXPOSURE CONTROLS -- PERSONAL PROTECTION

Respiratory Protection: Not required for normal conditions of use with adequate ventilation.

Ventilation:

Local Exhaust: Recommended to provide adequate ventilation.

Mechanical: NA

Special: NA

Other: NA

Protective Gloves: Rubber or plastic gloves.

Eye Protection: Chemical splash goggles.

Other Protective Clothing or Equipment: As needed to prevent skin/eye 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 re-use.

SECTION 8: HANDLING AND STORAGE

Precautions to be taken in handling and storing: Keep container tightly closed when not in use. Store in a dry location.

Other Precautions: None known.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not determined

Vapor Pressure (mmHg): Not determined

Vapor Density (Air = 1): Not determined

Specific Gravity (H₂O = 1): 0.97

Melting Point: Not determined

Evaporation Rate (BuAc = 1): Not determined

Volatile Organic Compounds: None

Solubility in Water: Moderate

Appearance and Odor: Viscous amber liquid; ammoniacal odor.

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: None known.

Incompatibility (Materials to Avoid): Oxidizers; strong acids.

Hazardous Decomposition or By-products: None known.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Polyamide Resin

OSHA PEL: Not established
ACGIH TLV: Not established
OTHER: LD₅₀ SKIN (RABBIT) 6.5 ml/kg
LD₅₀ ORAL (RAT) >16 ml/kg

Triethylenetetramine

OSHA PEL:
ACGIH TLV:
OTHER: LD₅₀ ORAL (RAT) 2500 mg/kg
LD₅₀ ORAL (RABBIT) 5500 mg/kg
LD₅₀ ORAL (MOUSE) 38.5 mg/kg
LD₅₀ DERMAL (RABBIT) 805 mg/kg

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	PACKING GROUP	UN NUMBER
Toxic Liquid, Organic, N.O.S. (Polyamide Resin)	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.

CAS NUMBER	CHEMICAL NAME	% BY WEIGHT
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.