



MATERIAL SAFETY DATA SHEET



SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: PCH-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	%
106264-79-3	Aromatic Diamine	3.8-7.7
27236-65-3	Aryl Mercuric Carboxylate	0.2
NA	Non-Hazardous Ingredient	61-73
7429-90-5	Aluminum	>22
57-11-4	Stearic Acid	<1.0
7440-21-3	Silicon	<0.3
7439-89-6	Iron	<0.2

SECTION 3: HEALTH HAZARD DATA

Routes of Entry:

Inhalation: Not likely **Skin:** Possible **Ingestion:** Possible

Health Hazards (Acute and Chronic): Possible redness of eye or skin if exposed to prolonged or repeated exposure.

PCH-9 MSDS (Continued)

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

Signs and Symptoms of Exposure:

INHALATION: Should not be a concern under normal use and conditions.

EYE CONTACT: May cause irritation and redness.

SKIN CONTACT: May cause irritation and redness.

INGESTION: Should not occur under normal use and conditions.

Conditions Generally Aggravated by Exposure: Acute asthma.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES
--

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

EYE CONTACT: Flush eyes with running water for fifteen minutes. If irritation occurs, consult a physician.

SKIN CONTACT: Wash affected area immediately with soap and water. Remove contaminated clothing and launder thoroughly before reuse.

INGESTION: Immediately drink water to dilute. Get medical attention.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA
--

Flash Point (Method Used): 300°F (149°C) SETA

Flammable limits: LEL: NA UEL: NA

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

Special Firefighting Procedures: Firefighters should wear self-contained breathing apparatus and complete personal protective equipment when entering areas where potential for exposure to vapors or product of combustion exists.

Unusual Fire and Explosion Hazards: Can react with strong oxidizing material.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: Absorb with sand. Contain spill and clean up with a detergent.

SECTION 7: EXPOSURE CONTROLS -- PERSONAL PROTECTION

Respiratory Protection: NIOSH approved cartridge mask recommended.

Ventilation:

Local Exhaust: Keep below TLV

Mechanical: Keep below TLV

Special: NA

Other: NA

Protective Gloves: Rubber gloves recommended.

Eye Protection: Safety glasses with sideshields.

Other Protective Clothing or Equipment: As needed to prevent skin contact.

Work / Hygienic Practices: Practice good industrial hygiene and use with caution to avoid eye or skin contact. Use soap and water to wash off spills on skin.

SECTION 8: HANDLING AND STORAGE

Precautions to be taken in handling and storing: Store in a cool, dry area. Keep containers closed when not in use.

Other Precautions: None known.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	NA
Vapor Pressure (mmHg):	<1
Vapor Density (Air = 1):	NA
Specific Gravity (H₂O = 1):	1.03
Melting Point:	NA
Evaporation Rate (BuAc = 1):	NA
Volatile Organic Compounds:	<1%
Solubility in Water:	Slightly soluble

Appearance and Odor: Aluminum colored liquid; slight odor.

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: None known.

Incompatibility (Materials to Avoid): Isocyanates, oxidizers, mineral acids.

Hazardous Decomposition or By-products: None known.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION
--

Aromatic Diamine

OSHA PEL:	Not established
ACGIH TLV:	Not established
OTHER:	Not established

Aryl Mercuric Carboxylate

OSHA PEL:	0.1 mg/m ³
ACGIH TLV:	0.1 mg/m ³
OTHER:	Not established

Aluminum

OSHA PEL:	5 mg/m ³ (RESPIRABLE DUST/MIST) 15 mg/m ³ (TOTAL DUST)
ACGIH TLV:	5 mg/m ³ (RESPIRABLE DUST/MIST) 10 mg/m ³ (TOTAL DUST)
OTHER:	Not established

Stearic Acid

OSHA PEL:	Not established
ACGIH TLV:	10 mg/m ³ (DUST)
OTHER:	INTRAVENOUS (MUSKRAT) LD ₅₀ 23 mg/kg

Silicon

OSHA PEL:	5 mg/m ³ (RESPIRABLE DUST/MIST) 15 mg/m ³ (TOTAL DUST)
ACGIH TLV:	10 mg/m ³ (TOTAL DUST)
OTHER:	ORAL (RAT) LD ₅₀ 3160 mg/kg

Iron

OSHA PEL:	10 mg/m ³ (RESPIRABLE DUST/MIST)
ACGIH TLV:	5 mg/m ³ (RESPIRABLE DUST/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	PACKING GROUP	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.

CAS NUMBER	CHEMICAL NAME	% BY WEIGHT
7429-90-5	Aluminum	>22

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.