MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: M-Line RTV Primer No. 1 April 13, 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	%
67-64-1	Acetone	>60.0
108-88-3	Toluene	10.0-30.0
78-10-4	Tetraethylorthosilicate	1.0-5.0
75-79-6	Methyltrichlorosilane	0.1-1.0

SECTION 3: HEALTH HAZARD DATA

Routes of Entry:

Inhalation: YES Skin: YES Ingestion: Accidental

Health Hazards (Acute and Chronic): Toxicology studies with laboratory animals and occupational evaluations with humans have found limited evidence of birth defects, low birth weights, and delayed growth in offspring resulting from repeated exposures to toluene during pregnancy.

Carcinogenicity:

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

Signs and Symptoms of Exposure:

INHALATION: Vapor may irritate nose and throat. Vapor overexposure may cause drowsiness. Overexposure by inhalation may injure the following organs: lungs, liver, kidneys, nervous system.

EYE CONTACT: Direct contact may cause severe irritation. Vapor may cause eye irritation.

SKIN CONTACT: No significant irritation is expected from a single short-term exposure. Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis.

INGESTION: Aspiration of liquid while vomiting may cause serious lung injury. May cause vomiting. Repeated ingestion or swallowing large amounts may injure internally.

Conditions Generally Aggravated by Exposure: No known applicable information.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. Get medical attention.

EYE CONTACT: Immediately flush with water for 15 minutes. Get medical attention.

SKIN CONTACT: Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or other ill effects develop or persist.

INGESTION: Get immediate medical attention. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Treat same as methyl alcohol poisoning.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): -3.6°F (-19.8°C) Pensky-Martens Closed Cup

Flammable limits: LEL: Not determined UEL: Not determined

Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO_2), dry chemical or water spray. Water can be used to cool fire exposed containers.

Special Firefighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by bonding and grounding or inert gas purge.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: Use absorbent material to collect and contain for salvage and disposal. Remove all sources of ignition and wear proper personal protection equipment. For large spills, provide diking or other appropriate containment to keep material from spreading. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Dispose of saturated absorbent or cleaning materials appropriately since spontaneous heating may occur.

SECTION 7: EXPOSURE CONTROLS -- PERSONAL PROTECTION

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure quidelines. General and local exhaust ventilation is recommended to maintain vapor exposure below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations and use NIOSH/MSHA approved respirators.

Ventilation: Local and general ventilation are recommended.

Protective Gloves: Chemical protective gloves are recommended. Suitable gloves are Silver Shield® 4H ®

Eye Protection: Use chemical worker's goggles.

Other Protective Clothing or Equipment: As needed to protect against exposure.

Work / Hygienic Practices: Wash thoroughly after using and before eating or drinking. Remove contaminated clothing and shoes as soon as practical and clean thoroughly before reuse.

SECTION 8: HANDLING AND STORAGE

Precautions to be taken in handling and storing: Keep container closed and away from water or moisture. Static electricity will accumulate and may ignite vapors. Prevent a possible fire by bonding and grounding or inert gas purge. Keep containers closed and away from heat, sparks, flame.

Other Precautions: Use with adequate ventilation. Product evolves flammable ethyl alcohol on exposure to water or humid air. Avoid eye exposure. Avoid skin contact. Do not breath vapor, dust, mist or fumes. Keep container closed. Do not take internally.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>95°F (>35°C)
Vapor Pressure (mmHg):	Not determined
Vapor Density (Air = 1):	Not determined
Specific Gravity (H_2O = 1):	0.87
Melting Point:	Not determined
Evaporation Rate (BuAc = 1):	NA
Volatile Organic Compounds:	138 g/l maximum VOC inclusive of water and exempt compounds. 467 g/l maximum VOC exclusive of water and exempt compounds.
Solubility in Water:	Not determined

Appearance and Odor: Clear white to yellow colored liquid, solvent odor.

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: Water, moisture, or humid air can cause hazardous vapors to form.

Incompatibility (Materials to Avoid): Oxidizing material can cause a reaction.

Hazardous Decomposition or By-products: Thermal break down of this product during fire or very high heat conditions may evolve the following decomposition products: chlorine compounds, carbon oxides, silicon dioxide, hydrogen chloride, formaldehyde, and traces of incompletely burned carbon compounds.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acetone

OSHA PEL:	1000 ppm
ACGIH TLV:	500 ppm
OTHER:	750 ppm STEL

Toluene

OSHA PEL:	200 ppm (Ceiling 300 ppm)
ACGIH TLV:	20 ppm
OTHER:	10 minutes maximum duration 500 ppm

Tetraethylorthosilicate

OSHA PEL:	100 ppm
ACGIH TLV:	10 ppm
OTHER:	N/E

NOTE: Ethyl Alcohol is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL and ACGIH TLV: TWA 1000 ppm.

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
Acetone Flammable Liquid	3	II	1090

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
67-64-1	Acetone	>60.0
108-88-3	Toluene	10.0-30.0

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.