



MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Gagekote 11

November 28, 2005

Vishay Micro-Measurements
Post Office Box 27777
Raleigh, NC 27611

MSDS # MGM069A

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	%
108-88-3	Toluene	30-50
Proprietary	Polysiloxane Resin	Balance

SECTION 3: HEALTH HAZARD DATA

Routes of Entry:

Inhalation: Yes **Skin:** Yes **Ingestion:** Accidental

Health Hazards (Acute and Chronic): May cause dermatitis, liver and kidney damage.

Carcinogenicity: NTP: See Note
 IARC Monographs: See Note
 OSHA Regulated: See Note

NOTE: This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300°F and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard.

Signs and Symptoms of Exposure:

INHALATION: Excessive inhalation causes headache, dizziness, nausea and incoordination. Harmful if inhaled.

EYE CONTACT: Causes severe eye irritation.

SKIN CONTACT: Causes drying of the skin.

INGESTION: Harmful if swallowed. Causes vomiting, nausea and diarrhea.

Conditions Generally Aggravated by Exposure: None known.

NOTE TO PHYSICIAN: Allergic dermatitis or respiratory response in susceptible individuals may be delayed even weeks or months after frequent and/or prolonged contact. Acute effects can include mucosa damage, severe laryngeal edema, and shock associated with corrosive agents. Possible mucosa damage may contraindicate the use of gastric lavage.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention!

EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT: Remove contaminated clothing and launder before reuse. Wash with soap and water. Get medical attention if irritation persists.

INGESTION: If swallowed, do NOT induce vomiting. Give large quantities of water to drink and get medical attention. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): >52°F (11°C)

Flammable limits: LEL: 1.2 UEL: 7.0

Extinguishing Media: All standard firefighting media.

Special Firefighting Procedures: Flammable. Wear respiratory protection if in a confined area.

Unusual Fire and Explosion Hazards: None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: Dike and absorb spill on inert material (sand, earth, etc.). Transfer diking material to containers for disposal. Wear protective clothing. Use breathing apparatus (MSHA/NIOSH-approved, pressure-demand, self-contained) or air masks for large spills in confined area. Wash clothing before reuse. Destroy clothing that can not be decontaminated (i.e. shoes).

SECTION 7: EXPOSURE CONTROLS -- PERSONAL PROTECTION

Respiratory Protection: None required if good ventilation is maintained. Wear respirator (MSHA/NIOSH-approved or equivalent) suitable for concentrations and types of air contaminants encountered.

Ventilation: Normal room ventilation.

Protective Gloves: Impervious.

Eye Protection: Chemical splash goggles.

Other Protective Clothing or Equipment: Eyewash facility.

Work / Hygienic Practices: Wash thoroughly after handling.

SECTION 8: HANDLING AND STORAGE

Precautions to be taken in handling and storing: Store away from excessive heat (steam-pipes, radiators), sources of ignition, and away from reactive materials.

Other Precautions: Do not store near food or feed.

NOTE: Product releases a visible fog of cyclic siloxanes and methoxy stopped siloxanes, as well as methanol under normal processing conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	232°F (111°C)
Vapor Pressure (mmHg):	22.0 @ 56°F (20°C)
Vapor Density (Air = 1):	3.2
Specific Gravity (H₂O = 1):	1.14
Melting Point:	NA
Evaporation Rate (BuAc = 1):	2
Volatile Organic Compounds:	20%
Solubility in Water:	Insoluble

Appearance and Odor: Clear liquid, aromatic odor.

SECTION 10: STABILITY AND REACTIVITY DATA
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Stability: Stable.

Conditions to Avoid: Keep away from heat, sparks and open flame. Avoid any source of ignition.

Incompatibility (Materials to Avoid): None known.

Hazardous Decomposition or By-products: Carbon monoxide, carbon dioxide, formaldehyde.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION
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Toluene

OSHA PEL:	100 ppm
ACGIH TLV:	100 ppm
OTHER:	150 ppm STEL

Polysiloxane Resin

OSHA PEL:	None listed
ACGIH TLV:	None listed
OTHER:	None listed

SECTION 12: DISPOSAL CONSIDERATIONS
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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
Flammable Liquid, N.O.S. (Toluene)	3	II	1993

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
108-88-3	Toluene	30-50 %

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. Vishay Micro-Measurements specifically disclaims any and all form of liability and/or responsibility for the application of this product.