



MATERIAL SAFETY DATA SHEET



SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Gagekote 8

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	%
108-88-3	Toluene	50
78-93-3	Methyl Ethyl Ketone	15
Not Available	Acrylic Polymer	32-38
Not Available	Optical Brightener	<1

SECTION 3: HEALTH HAZARD DATA

Routes of Entry:

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

Health Hazards (Acute and Chronic): May cause irritation to eyes, skin, and respiratory system.

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

Signs and Symptoms of Exposure:

INHALATION: Causes irritation of nasal passages and throat. May cause central nervous system depression. May cause mild nausea and/or dizziness in some people when used in confined or unventilated areas.

EYE CONTACT: Splashes or spray vapors may cause irritation. Liquid and vapors are irritating to the eyes. Can cause severe injury.

SKIN CONTACT: Can cause moderate skin injury – reddening and swelling. Prolonged and repeated liquid contact can cause defatting and drying of the skin, which may result in skin irritation and dermatitis.

INGESTION: If accidentally swallowed may cause discomfort and requires plenty of water or milk to dilute. Do NOT induce vomiting. Can cause mental sluggishness. Seek medical attention.

Conditions Generally Aggravated by Exposure: Significant exposure to these chemicals may adversely affect people with chronic disease of the respiratory system, skin, central nervous system and/or eyes.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES
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INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention immediately.

EYE CONTACT: Remove contact lenses. Flush with water for 15 minutes while holding eyelids open. If irritation persists, see a physician.

SKIN CONTACT: Flush with water while removing contaminated clothing and shoes. Follow by washing with soap and water. Do not reuse clothing or shoes until properly cleaned. If irritation persists, get medical attention.

INGESTION: Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs which may be fatal. Get medical attention immediately.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA
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Flash Point (Method Used): 30°F (-1°C) (Tag Closed Cup)

Flammable limits: LEL: 1.6 UEL: 11.2

Extinguishing Media: Foam, carbon dioxide and dry chemical.

Special Firefighting Procedures: Fight as a flammable liquid fire. Wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Vapor is flammable and heavier than air and may travel to source of ignition and flash back.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: Absorb with inert material (sand, vermiculite, etc.). Large spills may be scooped up with non-sparking tools. Remove sources of ignition. Provide ventilation and/or respiratory protection. Avoid discharge to drains, sewers and natural water supplies.

SECTION 7: EXPOSURE CONTROLS -- PERSONAL PROTECTION

Respiratory Protection: Use NIOSH approved organic vapor type respirator if TLV is exceeded.

Ventilation: Use local exhaust ventilation as needed to keep exposure levels below TLV.

Protective Gloves: Use gloves that are impervious to chemical and petroleum.

Eye Protection: Chemical type goggles must be worn.

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

Work / Hygienic Practices: Use good industrial hygiene practice. Wash hands using soap and water after use and before eating, drinking, or smoking. Wash contaminated clothing before reuse.

SECTION 8: HANDLING AND STORAGE

Precautions to be taken in handling and storing: Keep away from heat, sparks and open flames. Store at ambient temperature. Ground to protect from static charge. Keep containers closed. Use adequate ventilation.

Other Precautions: None known.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	180°F (82.2°C)
Vapor Pressure (mmHg):	45.4
Vapor Density (Air = 1):	4.0
Specific Gravity (H₂O = 1):	0.88
Melting Point:	NA
Evaporation Rate (BuAc = 1):	3.62
Volatile Organic Compounds:	592 grams/liter
Solubility in Water:	Negligible (less than 0.1%)

Appearance and Odor: Water clear, low viscosity liquid, aromatic odor.

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: Freezing, sparks, open flame.

Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing, acidic or alkaline agents.

Hazardous Decomposition or By-products: Carbon monoxide, carbon dioxide and oxides of nitrogen.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Toluene

OSHA PEL: 200 ppm / 300 ppm Ceiling / 500 ppm (10 min max. peak)
ACGIH TLV: 100 ppm / 375 mg/m³ / 150 ppm STEL
OTHER: ORAL - Rat LD₅₀ 636 mg/kg
SKIN - Rabbit LD₅₀ 14100 ul/kg
INHALATION - Rat LC₅₀ : 49 gm/m³ - 4 hours

Methyl Ethyl Ketone

OSHA PEL: 200 ppm / 590 mg/m³
ACGIH TLV: 200 ppm / 300 ppm STEL
OTHER: ORAL - Rat LD₅₀ : 2737 mg/kg
INHALATION - Rat LC₅₀ : 23500 mg/m³ - 8 hour
SKIN - Rabbit LD₅₀ : 6480 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
Paint	3	II	1263

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	47-53
78-93-3	Methyl Ethyl Ketone	13-18

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.