



MATERIAL SAFETY DATA SHEET



SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Gagekote 7 Part A

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	%
25085-99-8	Epoxy Resin	97.7
108-46-3	Resorcinol	2.3

SECTION 3: HEALTH HAZARD DATA

Routes of Entry:

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

Health Hazards (Acute and Chronic): May cause allergic skin reaction in susceptible individuals. May cause sensitization with repeated or prolonged contact.

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

NOTE: Resorcinol investigated as a tumorigen and mutagen. IARC Category 3.

Signs and Symptoms of Exposure:

INHALATION: Vapors are unlikely due to physical properties.

EYE CONTACT: May cause slight irritation.

SKIN CONTACT: May cause allergic skin reaction. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

INGESTION: Effects of ingestion are unknown.

Conditions Generally Aggravated by Exposure: No information available.

SECTION 4: EMERGENCY AND FIRST AID PROCEDURES
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INHALATION: If affected by inhalation of vapor or spray mist, remove to fresh air.

EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

SKIN CONTACT: In case of contact, immediately flush skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash and thoroughly clean contaminated clothing and shoes before reuse. Consult a physician.

INGESTION: If swallowed, give two glasses of water. Do NOT induce vomiting. Consult a physician.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA
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Flash Point (Method Used): 485°F (251.6°C)

Flammable limits: LEL: Not known UEL: Not known

Extinguishing Media: Carbon dioxide, dry chemical, foam, and vaporizing liquid type extinguishing agents have all been found suitable for use on flammable liquid fires of moderate size. Water spray fog is particularly effective on fires in flammable liquids and volatile solids having flash points above 100°F (37.8°C); but with liquids having flashpoints above 212°F (100°C), frothing may occur.

Special Firefighting Procedures: Remove all ignition sources. Keep personnel not involved with emergency activities away and upwind of fire. Water spray may be ineffective and may cause fire to spread. If water is used, fog nozzles are preferable. Water may be used to cool closed containers in order to prevent pressure build up which may result in an explosion. Use self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: A straight stream of water will spread fire. A vapor accumulation will flash and/or explode if ignited. Containers may burst explosively if overheated in fire. Cool containers with water spray or fog. Empty containers may also present a fire and/or explosion hazard due to residual vapors.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: Remove all ignition sources. Provide adequate ventilation. Avoid breathing vapors. Shut off source of spill if it can be done safely. Use non-sparking tools. Absorb with inert absorbent material and dispose of in accordance with applicable regulations.

SECTION 7: EXPOSURE CONTROLS -- PERSONAL PROTECTION

Respiratory Protection: Respiratory protection may be required if material is used in poorly ventilated areas or if material is sprayed or heated.

Ventilation: Use with adequate ventilation. Provide general dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the applicable exposure limit (OSHA PEL) of the combined components listed. All application areas should be ventilated in accordance with applicable OSHA regulations.

Protective Gloves: Impervious gloves required.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other Protective Clothing or Equipment: Eyewash, safety shower, impervious clothing and boots. Selection of specific personal protective equipment will depend on the product user's operation.

Work / Hygienic Practices: Wash thoroughly after handling and before eating, drinking or smoking.

SECTION 8: HANDLING AND STORAGE

Precautions to be taken in handling and storing: Do not store above 120°F (48.9°C). Keep container closed and upright to prevent leakage. Store container out of sunlight and away from heat, sparks and flame. Store only in well ventilated areas. Containers should be grounded when being emptied. Never use pressure to empty. Container is not a pressure vessel. Do not puncture, drag or slide container.

Other Precautions: Do not get in eyes. Avoid skin contact. Prevent repeated or prolonged breathing of vapor or spray mist. Avoid contact with, or breathing of vapors during curing process.

ATTENTION: Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks and flames. Do not cut, puncture, or weld on or near this container. Follow label warnings until container is thoroughly cleaned or destroyed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>200°F (93.3°C)
Vapor Pressure (mmHg):	Not Known
Vapor Density (Air = 1):	Not Known
Specific Gravity (H ₂ O = 1):	1.17
Melting Point:	Not Known
Evaporation Rate (BuAc = 1):	Not Known
Volatile Organic Compounds:	None
Solubility in Water:	Insoluble

Appearance and Odor: Yellow to amber liquid with minimal odor.

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable under normal conditions of use.

Conditions to Avoid: Excess heating over long periods of time degrades the resin.

Incompatibility (Materials to Avoid): Strong oxidizing agents, bases, acids, and amines.

Hazardous Decomposition or By-products: The by-products expected in incomplete pyrolysis or combustion of epoxy resins are mainly phenolics, carbon monoxide and water.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Epoxy Resin

OSHA PEL:	Not determined
ACGIH TLV:	Not determined
OTHER:	Not determined

Resorcinol

OSHA PEL:	10 ppm (20 ppm STEL)
ACGIH TLV:	10 ppm (20 ppm STEL)
OTHER:	ORAL Rat LD ₅₀ 301 mg/kg SKIN Rabbit LD ₅₀ 3360 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. (Resorcinol)	6.1	III 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 listed		

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.