

10-8882-0000

om Electronics
 rgan Street
 rd, IL 61102
 roduct Information: (815) 968-9661

Product Name: High Voltage Putty
 MSDS Number: 207
 Revision Date: 01/26/01
 Supersedes Date: 10/20/97

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: Specialty Chemicals
 Product Name: High Voltage Putty
 Part Number(s): 10-8880

Emergency Contact: Chemtrec
 Phone (24 hours): (800) 424-9300

Section 1 - Identification of Product

NFPA/HMIS Classification: Least 0
 Slight 1
 Health 0 Moderate 2
 Flammability 0 High 3
 Reactivity 0 Extreme 4
 Gloves, Safety Glasses B

Section 2 - Hazardous Ingredients

Hazardous Component (Specific Chemical Identity: Common Name(s))	CAS #	OSHA	% (optional)
Vinylpolydimethylsiloxne	68083-19-2	NH	60 - 80%
Trade Secret Component	NA	NH	1 - 5 %
Tetramer Treated Fumed Silica	68583-49-3	NH	10 - 30%
Trade Secret Component	NA	NH	1 - 5%
Exposure Limits in Air:	Exposure limits for formaldehyde, a byproduct of the oxidative thermal decomposition of dimethylpolysiloxane, are listed below.		
<u>Chemical Name</u>	<u>OSHA(TWA)</u>	<u>OSHA(STEL)</u>	<u>ACGIH(TWA)</u>
Formaldehyde	0.75 ppm	2.0ppm 0.37 mg/m ³ (ceiling)	0.3 ppm N/A

Warning: This product, as sold, does not meet the OSHA definition of a hazardous material. This product contains dimethylpolysiloxane which can generate formaldehyde as a by product of oxidative thermal decomposition beginning at approximately 300F. Exposure to formaldehyde can cause adverse effects such as skin and respiratory sensitization and eye and throat irritation. Formaldehyde is a potential cancer hazard. Use good industrial practices to evaluate and control exposure to formaldehyde when warranted by conditions of use.

Section 3 - Physical Data

Boiling Point: NA (F) NA (C)

Freezing Point:	NA (F)	NA (C)
Specific Gravity (H2O=1):	1.10	
Vapor Pressure (mm Hg):	Neg. MM HG	
% Volatile by Volume	1%	
Melting Point	NA (F)	NA (C)
Vapor Density (Air=1):	Neg.	
Density:	KG-M3	
Evaporation Rate (Butyl Acetate=1):	N/A	
Solubility in Water (20C):	Insoluble	
Appearance and Odor:	Physical State - Solid - Rubber	
	Odor - Slight	
	Color - Off White	

Section 4 - Fire & Explosion Hazard Data

Flash Point (Method Used):	N/A
Flammable Limits in Air (%):	Lower - N/A Upper - N/A LEL - N/A UEL - N/A
Extinguishing Media:	All standard fire fighting media.
Special Fire Fighting Procedures:	Use self-contained breathing apparatus.
Unusual Fire and Explosion Hazards:	By PMCC, Ignition Temp: Unknown (F) Unknown (C)

Section 5 - Health Hazard Data

Routes of Entry	
Inhalation:	May be irritating to nose and throat.
Skin:	May be irritating to skin.
Ingestion:	None known.
Health Hazards (Acute and Chronic)	
Eye Contact:	May be irritating to eyes
Medical Conditions Aggravated:	None Known
Chronic Effects of Overexposure:	None Known
Other:	None Known
Carcinogenicity	
NTP:	This product or one of its ingredients present 0.1% or more is not listed as a carcinogen or suspected carcinogen.
IARC Monographs:	This product or one of its ingredients present 0.1% or more is not listed as a carcinogen or suspected carcinogen.
OSHA Regulated:	This product or one of its ingredients present 0.1% or more is not listed as a Carcinogen or suspected carcinogen.
Exposure Limits in Air:	Exposure limits for formaldehyde, a byproduct of the oxidative thermal decomposition of dimethylpolysiloxane, are listed below.
<u>Chemical Name</u>	<u>OSHA(TWA)</u> <u>OSHA(STEL)</u> <u>ACGIH(TWA)</u> <u>ACGIH(STEL)</u>
Formaldehyde	0.75 ppm 2.0ppm 0.3 ppm N/A
	0.37 mg/m3

(ceiling)

Medical Conditions Generally
Aggravated by Exposure: N/A

Emergency and First Aid Procedure
Ingestion:

If swallowed & victim is fully conscious, induce vomiting. GET MEDICAL ATTENTION.

Skin: Wash with soap and water after handling.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Product information

Toxicity:
Acute Oral LD50: Unknown MG/KG
Acute Dermal LD50: Unknown MG/KG
Acute Inhalation LC50: Unknown
Other: None
Ames Test: Unknown
Principal Route of Exposure: None known

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific information found.

Section 6 - Reactivity Data

Stability: Stable
Conditions to Avoid: Avoid open flame.
Incompatibility (Materials to Avoid): Strong acids, strong bases, strong oxidizing agents
Hazardous Decomposition Or Byproducts: Carbon Monoxide; Carbon Dioxide; Silicon Dioxide/Formaldehyde (see warning - Section 2)
Hazardous Polymerization: Will not occur.

Section 7 - Spill or Leak Procedures

Steps to be Taken in Case Material Is Released or Spilled: Wipe, sweep, or soak up in an inert material and put in container for disposal
Wear proper protective equipment as specified in the protective equipment section.
Waste Disposal Method: Disposal should be made in accordance with federal, state, and local regulations.

Section 8 - Special Protection Information

Respiratory Protection: None Known
Ventilation: Local Exhaust. Type - mechanical (general)

Adequate ventilation should be provided.

Protective gloves: None Known
 Eye and face: Safety glasses
 Other Protective Equipment: None known

Section 9 – Special Precautions

Precautions to be Taken in Handling And Storage: Store at room temperature. Avoid direct or prolonged contact with skin and eyes. Wash hands thoroughly after handling. Do not rub eyes with soiled hands. Do not eat, drink or smoke in work area.
 Other Precautions: Exhaust Ventilation: Localized ventilation should be used.

Section 10 - Regulatory Information

Warning: This product, as sold, does not meet the OSHA definition of a hazardous material. This product contains dimethylpolysiloxane which can generate formaldehyde as a by product of oxidative thermal decomposition beginning at approximately 300F. Exposure to formaldehyde can cause adverse effects such as skin and respiratory sensitization and eye and throat irritation. Formaldehyde is a potential cancer hazard. Use good industrial practices to evaluate and control exposure to formaldehyde when warranted by conditions of use.

Shipping and Regulatory Classification Data

Dot Shipping Name:	None	OSHA Hazard Class:	None
Dot Hazard Class:	None	CPSC Class:	None
Dot Labels:	None	Transport Class:	None
UN/NA Number:	None	RID (OCTI):	None
Placards:	None	ADP (ECE):	None
Export:	N/A	RAR (IATA):	None
EPA Hazard Waste	None		

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Formaldehyde	0.75 ppm	2.0ppm 0.37 mg/m3 (ceiling)	0.3 ppm	N/A

Section 11 - Other Information

This product or its components are on the European inventory of existing commercial chemicals (EINECS).

GC/Waldom Electronics

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Disclaimer

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