## **Product Name:Silicone Rubber** MSDS Number:149 Revision Date: 8/22/06 Supersedes Date:1/10/01

**GC Electronics** 1801 Morgan Street

Rockford, IL 61102 Phone: (815) 968-9661 Fax: (815) 968-9731 www.gcelectronics.com

# **MATERIAL SAFETY DATA SHEET**

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: Product Name: Part Number(s):	Sealant Silicone Rubber 10-150 SD-151	<b>Emergency Contact:</b> <b>Phone (24 hours):</b>	Chemtrec (800) 424-9300	
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Section 1 - Identification of Product				
HMIS		NFPA		Least 0 Slight 1
Health	1	Health	1	Moderate 2
Flammability	1	Flammability	1	High 3
Reactivity	0	Reactivity	0	Extreme 4
Personal Protec	ction B	•		Gloves, Safety Glasses B
Note: NFPA=N Generic Descri		e Protection Associat one Elastomer	tion	
			tion 2 - Haza	ardous Ingredients
Component Na	ame:	CAS#	Wt.%	Exposure Limits
Methyltriacetox	xysilane	4253-34-3	1.0-5.0	See comments below
Ethyltriacetoxy	silane	17689-77-9	1.0-5.0	See comments below
Silica, Amorph	ous	7631-86-9	10	OSHA PEL: TWA 6 MG/M3

The above components are hazardous as defined in 29 CFR 1910.1200 Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL:TWA 10ppm and ACGIH TLV: TWA 10ppm, STEL 15ppm.

ACGIH TLV: TWA 10 MG/M3 Total Dust

Section 3 – Physical Data			
Physical Form:	Paste		
Color:	Clear		
Odor:	Acetic acid-like		
Specific Gravity @ 77°F/25°C:	1.02		
Melting Point:	Not applicable		
Boiling Point (@ 760 MM HG):	Not applicable		
Vapor Pressure @ 77°F/25° C):	Less than 5mm		
Vapor Density (Air-1@77°F/25° C):	Not applicable		
Solubility in Water (%):	Less than 0.1		
% Volatile Content by Weight	Less than 5		
Evaporation Rate (Ether=1)	Not applicable		
Note: The above information is not intended for use in preparing product specifications.			

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Flash Point : Auto-ignition: Flammability Limits in air: Comments N.D.: Extinguishing Media:	Not applicable Not determined Lower: N/D Upper: N/D Product is considered a solid for DOT purposes and flash point is not applicable. Water fog, dry chemical, foam, CO <sub>2</sub> .		
Special Fire and Explosion Procedures: Unusual Fire and Explosion	Self contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.		
Hazards: Hazardous Decomposition	None known		
Hazardous Decomposition Products:	Thermal breakdowns of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Silicon dioxide. Carbon dioxides and traces of incompletely burned carbon compounds. Formaldehyde		
	Section 5 - Health Hazard Data		
Acute Effects of Overexposure:			
Eye:	Direct contact irritates slightly with redness and swelling.		
Skin:	A single short exposure (less than 24 hours) may irritate. Repeated or prolonged contact (24 to 48 hours) may cause irritation moderately. Vapor overexposure may irritate eyes, nose and throat. Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may cause digestive discomfort.		
Inhalation: Oral:			
Comments:	No injury from dusts should occur during reasonable use. If use creates respirable particles, some respiratory system injury may occur. Cured sealant is nonhazardous.		
compositions, component data and	of overexposure are based on actual data, results of studies performed upon similar l/or expert review of the product. Overexposure to any chemical may result in rse medical conditions and allergic reactions.		
First Aid Measures:			
Eye: Skin:	Immediately flush with water for 15 minutes. Get medical attention. Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.		
Inhalation: Oral:	Remove to fresh air. Get medical attention if ill effects persist. No first aid should be needed.		
Commonta	Nore		

Comments:

None.

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D.O.T. (49CFR 171.8)/E.P.A. (40 C.F.R.117) Spill Reporting Information

Hazardous Substances:	None
Reportability Quantity:	Not applicable
Concentration of Hazardous Substance:	Not applicable.
Reportable Quantity of Product:	Not applicable
Comments:	Product contains no ingredients subject to D.O.T. or EP.A. CERCLA/SARA Environment release reporting regulations.

Note: See section 8 for Personal Protective Equipment for Spills.

Section 8 - Special Protection Information			
Personal Protective Equipment for			
Routine Handling:			
Eyes:	Use proper protection-safety glasses as a minimum		
Skin:	Wash at mealtime and end of shifts. Contaminated clothing and shoes should		
	be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.		
Suitable Gloves:	Silver Shield (4) 4H (R).		
Inhalation/Suitable Respirator:	No respiratory protection should be needed.		
Person Protective Equipment for Spills: Eyes:	Use proper protection-safety glasses as a minimum		

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Skin*:	Wash at mealtime and end of shifts. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective (rubber or plastic) gloves are recommended.
Inhalation/Suitable respirator:	Use respiratory protection unless local exhaust ventilation is adequate or air sampling data show exposures are within TLV and PEL guidelines.
Ventilation:	Local Exhaust: Recommended
Mechanical (General):	Recommended
Suitable Respirator:	Organic vapor type
Precautionary Measures:	Avoid eye contact. Avoid skin contact. Use reasonable care.
Comments:	Avoid breathing vapors and eye and skin contact. Use only with adequate ventilation. Do not take internally.
Comments:	Product forms acetic acid (HOAC) when exposed to water or humid air.
	Provide ventilation during use to control HOAC within exposure guidelines or
	use respiratory protection. When heated to temperatures above 150°C in the
	presence of air, product can form formaldehyde vapors. Formaldehyde is a
	potential cancer hazard, a known skin and respiratory sensitizer, and an irritant
	to the eyes, nose, throat, skin and digestive system. Safe handling conditions
	may be maintained by keeping vapor concentrations within the OSHA
	Permissible Exposure Limit for formaldehyde.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

\*Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

Section 9 – Special Precautions		
Precautions to be taken in Handling and		
Storage:	Store below 90°F/32°C. Use with adequate ventilation. Product forms acetic acid (HOAC) when exposed to water or humid air. Provide ventilation during use to control HOAC exposure within 10ppm (current TLV) guidelines or use respiratory protection. Avoid eye contact. Avoid skin contact. Use reasonable care and store away from oxidizing materials. Keep container closed when not in use and store away from water or moisture.	
Comments:	Traces of formaldehyde (carcinogen) may form if heated in air above 300°F/149°C. Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Review the OSHA formaldehyde regulations for detailed information on safe handling requirements.	
Section 10 - Regulatory Information		

DOT Road Shipment Information			
(49 CFR 172.101):			
Ocean Shipment (IMDG): Odor:			

Not subject to DOT Not subject to IMDG code

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Engineering Controls	
Local Ventilation:	None should be needed
General Ventilation:	Recommended

Traces of formaldehyde (carcinogen) may form if heated in air above 300°F/149°C..

Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Review the OSHA formaldehyde regulations for detailed information on safe handling requirements.

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA inventory of Chemical Substances.

# EPA SARA Title III Chemical Listings

Section 312 Hazard Class Immediate Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: No Section 313 Toxic Chemicals: None present or none present in regulated quantities.

Supplemental State Compliance Information

California:

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None known

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	CAS Number	Wt%	Component Name
Massachusetts:	7631-86-9	<=10.0	Silica, amorphous
New Jersey:	70131-67-8	<=87.0	Dimethyl siloxane, hydroxy-terminated
•	7631-86-9	<=10.0	Silica, amorphous, fumed: #1655
	4253-34-3	1.0 - 5.0	Methyltriacetoxysilane
	17689-77-9	1.0 - 5.0	Ethyltriacetoxysilane
Pennsylvania:	70131-67-8	<=87.0	Dimethyl siloxane, hydroxy-terminated
,	7631-86-9	<=10.0	Silica, amorphous
Disclaimer			

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