

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA's Hazard Communication Standard CFR 1910.1200 and OSHA Form 174.

N/A SIGNIFIES NON-APPLICABLE

IDENTITY AND SUPPLIERS INFORMATION

PRODUCT NAME: SILICONE SEALANT		CHEMICAL FAMILY:		<table><tr><th>NFPA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM</th><th>RATING</th></tr><tr><td>HEALTH</td><td>2</td></tr><tr><td>FLAMMABILITY</td><td>1</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>MAX PERSONAL PROTECTION</td><td>B</td></tr></table>		NFPA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING	HEALTH	2	FLAMMABILITY	1	REACTIVITY	0	MAX PERSONAL PROTECTION	B
NFPA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING														
HEALTH	2														
FLAMMABILITY	1														
REACTIVITY	0														
MAX PERSONAL PROTECTION	B														
GMP PRODUCT NUMBER: C335		FORMULA: PROPRIETARY													
SUPPLIER'S NAME: GENERAL PRODUCTS & SUPPLY, INC.		PHONE NUMBER: (724) 327-7200													
SUPPLIER'S ADDRESS: 101 TECHNOLOGY LANE		EMERGENCY NO.: 800-255-3924													
EXPORT, PA 15632		DATE PREPARED: 01/06/05													
PROPER SHIPPING NAME:															

SECTION 1 - INGREDIENT IDENTIFICATION AND INFORMATION

CHEMICAL NAME	CAS NO.	OSHA PEL	WT %	SARA III	PEL	TWA-TLV	ACGIH TLV
Ethyltriacetoxysilane	17689-77-9		1.0 – 5.0				
Methyltriacetoxysilane	4253-34-3		1.0 – 5.0				

SECTION 2 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT:	Not Determined
VAPOR PRESSURE: (mm Hg)	Not Determined
VAPOR DENSITY:	Not Determined
SOLUBILITY IN WATER:	Not Determined
SPECIFIC GRAVITY:	1.007
pH RANGE:	Not Determined
EVAPORATION RATE: (Ether=1)	
PHYSICAL DESCRIPTION:	Colorless with an acetic acid odor.

SECTION 3 - FIRE/EXPLOSION HAZARD DATA

FLAMMABILITY: (FLAME PROJECTION) AUTO IGNITION TEMP:
FLASH POINT: >212°F/>100°C (Closed Cup)
FLAMMABILITY LIMITS: Not Determined %UEL: %LEL:
EXTINGUISHER MEDIA: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to cool fire-exposed containers.
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
UNUSUAL FIRE/EXP. HAZARDS: None

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Hazardous polymerization will not occur.
INCOMPATIBILITY:	Oxidizing material can cause a reaction. Water, moisture, or humid air can cause hazardous vapors to form as described in Section
CONDITIONS TO AVOID:	None
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products; Carbon oxides and traces of incompletely burned carbon compounds. Silicone dioxide. Formaldehyde.

SECTION 5 - HEALTH HAZARD DATA AND FIRST AID

PRIMARY ROUTES OF ENTRY:		FIRST AID PROCEDURES:	
ACUTE EFFECTS:		SKIN:	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.
SKIN:	May cause moderate irritation.	EYES:	Immediately flush with water for 15 minutes. Get medical attention.
EYES:	Direct contact may cause moderate irritation.	INHALATION:	Material is not likely to present an inhalation hazard at ambient conditions. If material is heated or vapor/mist/dust/fumes are generated, care should be taken to prevent inhalation. In case of exposure to vapor/mist/dust/fumes, move to fresh air.
INHALATION:	Material is not likely to present an inhalation hazard at ambient conditions. However, if material is heated or high vapor/aerosol concentrations are attained, central nervous system depression may occur, which is characterized by drowsiness, dizziness, confusion or loss of coordination.	INGESTION:	No first aid should be needed.
INGESTION:	Low ingestion hazard in normal use.		

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION:	Respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MHSA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
PROTECTIVE GLOVES:	Nitrile Rubber. Butyl Rubber.
EYE PROTECTION:	Use proper protection-safety glasses as a minimum.
VENTILATION REQUIREMENTS:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.
OTHER PROTECTIVE EQUIPMENT:	
HYGIENIC WORK PRACTICES:	Do not eat, drink or smoke in work area. Wash hands after handling. Launder contaminated clothing.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:	Observe all personal protection equipment recommendations described in Section 3. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.. Local, State and Federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which Federal, State and Local laws and regulations are applicable. See Section 5 for Personal Protective Equipment for spills.
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WASTE DISPOSAL METHODS:	
PRECAUTIONS IN HANDLING AND STORAGE:	Use with adequate ventilation. Product evolves acetic acid (HOAc) when exposed to water or humid air. Provide ventilation during use to control HOAc within exposure guidelines or use respiratory protection. Avoid eye contact. Avoid skin contact. Do not take internally. Avoid breathing vapor. Keep container closed. Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.
OTHER PRECAUTIONS:	KEEP OUT OF REACH OF CHILDREN. We believe the statements, technical information and recommendations contained herein are reliable, but they are given without any warranty or guarantee of any kind.