

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

<b>IDENTITY AND MANUFACTURER'S INFORMATION</b>						
NFPA Rating: <b>Health- 1    Flammability- 1    Reactivity- 0    Special-</b>			HMIS Rating: <b>Health-    Flammability-    Reactivity-    Personal Prot-</b>			
<b>Manufacturer's Name: Diversitech</b> <b>Address: 2530 Lantrac Court</b> <b>Decatur, Georgia 30035</b>			DOT Hazard Classification: <b>NONE</b>  Identity (trade name as used on label): Diversitech Silicone 7-4000, 7-4001, 7-4100, 7-4101, 7-4200, 7-4201			
<b>Date Prepared: Nov. 16, 1999</b>			MSDS Number:		<b>Revision</b>	
Information Calls: (770) 593-0900			<b>NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA</b>			
<b>SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION</b>						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source
<b>Methyltriacetoxysilane</b>		<b>4253-34-3</b>		TWA 10 PPM	TWA 10 PPM, STEL 15 PPM	
<b>Ethyltriacetoxysilane</b>		<b>17689-77-9</b>		TWA 10 PPM	TWA 10 PPM, STEL 15 PPM	
<b>Silica, Amorphous</b>		<b>7631-86-9</b>		6 mg/m3	TWA 10 mg/m3, total dust	
<b>SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS</b>						
Boiling Point (at 760 MM HG): NOT APPLICABLE			Specific Gravity (at 77°F/25°C): <b>1.03</b>			
Vapor Pressure (at 77°F/25°C): <b>LESS THAN 5MM</b>			Melting Point: NOT APPLICABLE			
Vapor Density (Air = 1 at 77°F/25°C): <b>NOT APPLICABLE</b>			Evaporation Rate: <b>NOT APPLICABLE</b>			
Solubility in Water (%): LESS THAN 0.1			Freeze Point: NOT APPLICABLE			
Physical State and Odor: Solid, Acetic Acid						
<b>SECTION 3 - FIRE AND EXPLOSION HAZARD DATA</b>						
<b>FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols)</b>		<b>Auto Ignition Temperature: NOT DETERMINED</b>		<b>Flammability Limits in Air by % in Volume: % LEL: NOT DETERMINED    % UEL: NOT DETERMINED</b>		
FLASH POINT AND METHOD USED: NON APPLICABLE			EXTINGUISHER MEDIA: <b>WATER FOG; CO<sub>2</sub>; DRY CHEMICAL; FOAM</b>			
u SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS.						
Unusual Fire & Explosion Hazards: NONE						
<b>SECTION 4 - REACTIVITY HAZARD DATA</b>						
STABILITY [ <input checked="" type="checkbox"/> ] STABLE [ ] UNSTABLE			HAZARDOUS POLYMERIZATION [ ] WILL [ <input checked="" type="checkbox"/> ] WILL NOT OCCUR			
Incompatibility (Mat. to avoid): <b>OXIDIZING MATERIAL CAN CAUSE REACTION. AIR OR MOISTURE CAUSES CURING AND THE LIBERATION OF ACETIC ACID VAPORS.</b>			Conditions to Avoid: <b>EXPOSURE TO AIR OR MOISTURE UNTIL READY TO USE.</b>			
Hazardous Decomposition Products: <b>SILICON DIOXIDE, CARBON DIOXIDE AND TRACES OF INCOMPLETELY BURNED CARBON PRODUCTS.</b>						
<b>SECTION 5 – EFFECTS OF OVEREXPOSURE</b>						
PRIMARY ROUTES OF ENTRY: [ ] INHALATION [ ] INGESTION [ ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS						
Inhalation: VAPOR OVER EXPOSURE MAY IRRITATE EYES, NOSE AND THROAT.						
Eye Contact: DIRECT CONTACT IRRITATES SLIGHTLY TO MODERATELY WITH REDNESS AND SWELLING			Skin Contact: A SINGLE SHORT EXPOSURE (LESS THAN 24 HOURS) MAY IRRITATE. REPEATED PROLONGED CONTACT (24 to 48 HOURS) MAY IRRITATE MODERATELY.			
Ingestion: <b>SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE, ETC., SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY CAUSE DIGESTIVE DISCOMFORT.</b>						
Comments: NO INJURY FROM SILICA DUST SHOULD OCCUR DURING REASONABLE USE. IF USE CREATES RESPIRABLE PARTICLES, SOME RESPIRATORY SYSTEM INJURY MAY OCCUR. CURED SEALANT IS NONHAZARDOUS.						
THE ABOVE LISTED POTENTIAL EFFECTS OF OVEREXPOSURE ARE BASED ON ACTUAL DATA, RESULTS OF STUDIES PERFORMED ON SIMILAR COMPOSITIONS, COMPONENT DATA AND/OR EXPERT REVIEW OF THE PRODUCT. OVEREXPOSURE TO ANY CHEMICAL MAY RESULT IN ENHANCEMENT OF PRE-EXISTING ADVERSE MEDICAL CONDITIONS AND ALLERGIC REACTIONS.						
<b>EMERGENCY FIRST AID PROCEDURES</b>						

Eye Contact: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

Skin Contact: WIPE OFF AND FLUSH WITH WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.

Inhalation: **REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF ILL EFFECTS PERSIST.**

Ingestion: NO FIRST AID SHOULD BE NEEDED.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): **USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES. ORGANIC VAPOR TYPE RESPIRATOR.**

Skin\*: WASHING AT MEALTIMES AND END OF SHIFT IS ADEQUATE. REMOVE CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE. RUBBER OR PLASTIC GLOVES ARE RECOMMENDED.

Eye Protection: USE PROPER PROTECTION – SAFETY GLASSES AS A MINIMUM.

Ventilation Requirements: **LOCAL EXHAUST – RECOMMENDED; MECHANICAL – RECOMMENDED.**

THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING; USE AT ELEVATED TEMPERATURES, 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.

Comments: AVOID BREATHING VAPORS AND EYE AND SKIN CONTACT. USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Precautions To Be Taken In Handling & Storage: STORE BELOW 90°F/32°C. USE REASONABLE CARE AND CAUTION. KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. PRODUCT FORMS ACETIC ACID WHEN EXPOSED TO WATER OR HUMID AIR. PROVIDE VENTILATION DURING USE TO CONTROL ACETIC ACID EXPOSURE WITHIN 10 PPM (CURRENT TLV) OR USE RESPIRATORY PROTECTION.

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 REGULATION FOR DETAILED INFORMATION ON SAFE HANDLING REQUIREMENTS

Additional SARA regulatory compliance information:

**SEC. 312 HAZARD CLASS: IMMEDIATE**

**SEC. 313 NOTIFICATION: NOT APPLICABLE – EITHER NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.**

**Supplemental state compliance information:**

**PENNSYLVANIA:**

**10%**

**7631-86-9**

**SILICA, AMORPHOUS**

**70131-67-8**

**POLYDIMETHYLSILOXANE, HYDROXY TERMINATED**

**MASSACHUSETTS:**

**10%**

**7631-86-9**

**SILICA, AMORPHOUS**

**NEW JERSEY:**

**10%**

**7631-86-9**

**SILICA, AMORPHOUS, FUMED, #1655**

**4253-34-3**

**METHYLTRIACETOXYSILANE**

**17689-77-9**

**ETHYLTRIACETOXYSILANE**

**70131-67-8**

**POLYDIMETHYLSILOXANE, HYDROXY TERMINATED**

**63148-62-9**

**POLYDIMETHYLSILOXANE**

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.