

MATERIAL SAFETY DATA SHEET

Identity (as used on label and list): **SIL-ACT MULTIGARD™**

Section 1	
Manufacturer's Name Advanced Chemical Technologies, Inc.	Emergency Telephone Number (800) 255-3924
Address 100 West Wilshire, Suite C-1 Oklahoma City, Oklahoma 73116	Telephone Number for Information (405) 843-2585
Date Prepared: February 1, 2010	

Section 2 - Hazardous Ingredients / Identity Information			
Hazardous Components : Specific Chemical Identity; Common Name(s)	OSHA PEL	ACGIH TLV	Other Limits
Alkoxysilanes - CAS No. 18395-30-7 (>98%)	NE	NE	NE

Section 3 - Physical / Chemical Characteristics			
Boiling Point:	155C	Specific Gravity:	0.933 @ 20C
Vapor Pressure (mm Hg)	5 mm	Percent Volatile by Volume:	>95%
Vapor Density (Air = 1)	>1	Evaporation Rate:	<1
Solubility in Water:	Reacts with Water	pH (Concentrate):	NA
Appearance and Odor:	Sweet, Ethereal		

Section 4 - Fire and Explosion Hazard Data				FLAMMABILITY: NFPA 2	
Flash Point (Method Used): 98.6 F (Tag Closed Cup)	Flammable Limits:	LEL	UEL		
		NE	NE		
Extinguishing Media: Dry Chemical, Polymer Foam, Carbon Dioxide					
Special Fire Fighting Procedures: Self Contained Breathing Apparatus (SCBA) and Protective Clothing Should be Worn with Fires Involving Chemicals					
Unusual Fire and Explosion Hazards: None Known					

Section 5 - Reactivity Data				REACTIVITY: NFPA 0	
Stability:	Unstable:		Conditions to Avoid:		
	Stable:	X	NA		
Incompatibility: Material Reacts with Water, Strong Oxidizers and Reducers					
Hazardous Decomposition or By-Products: Silicon Dioxide, Carbon Dioxide and other Hydrocarbons					
Hazardous Polymerization:	May Occur		Conditions to Avoid:		
	Will Not Occur	X	NA		

VOC Content, as applied, less than 400 g/L (Method 24, ASTM D-5095)

Section 6 - Health Hazard Data				HEALTH: NFPA 2	
Health Hazards (Acute and Chronic): Lungs: Inhalation May Cause Nausea. Ingestion: Harmful or Fatal if Swallowed Eyes: Irritation, Reddening, Burns. Skin: Irritation, Drying Effects					
Carcinogenicity:	NE	NTP?	NE	IARC Monographs?	NO
				OSHA Regulated?	NO
Signs and Symptoms of Exposure: Lungs: Aggravating to Upper Respiratory System Eyes: Irritation, Reddening, Burns. Skin: Irritation, Drying Effects.					
Medical Conditions Generally Aggravated by Exposure: None Known					
Emergency and First Aid Procedures: Lungs: Move to Fresh Air. Eyes: Flush with Water for 15 Minutes. Skin: Wash with Plenty of Water. Internal: See Physician.					

Section 12- Disposal Considerations**RCRA Hazard Class (40 CFR 261)**

When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes

Characteristic Waste:

Ignitable: D001

State or local laws may impose additional regulatory requirements regarding disposal.

Call Advanced Chemical Technologies, Inc., (405) 843-2585 if additional information is required.

Section 13- Transport Information**DOT Road shipment Information (49 CFR 172.101)**

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.

Hazard Technical Name: Alkoxysilane

Hazard Class: 3

UN/NA Number: UN1993

Packing Group: II

Hazard Label(s): FLAMMABLE LIQUID LABEL

Ocean Shipment (IMDG)

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.

Hazard Technical Name: Alkoxysilane

Hazard Class: 3

UN/NA Number: UN1993

Packing Group: II

Hazard Label(s): FLAMMABLE LIQUID LABEL

Marine Pollutant: Not Applicable

Air Shipment (IATA)

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.

Hazard Technical Name: Alkoxysilane

Hazard Class: 3

UN/NA Number: UN1993

Packing Group: II

Hazard Label(s): FLAMMABLE LIQUID LABEL

Call Advanced Chemical Technologies, Inc., (405) 843-2585 if additional information is required.

Section 14- Regulatory Information

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 302 Extremely Hazardous Substances:**

None.

Section 304 CERCLA Hazardous Substances:

<u>CAS Number</u>	<u>Wt%</u>	<u>Component Name</u>
67-56-1	2.0	Methyl alcohol

Section 312 Hazard Class:

Acute: Yes
Chronic: Yes
Fire: Yes
Pressure: No
Reactive: No

Section 313 Toxic Chemicals:

<u>CAS Number</u>	<u>Wt%</u>	<u>Component Name</u>
67-56-1	2.0	Methyl alcohol

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.

Section 15- Other Information

Prepared by: Advanced Chemical Technologies, Inc.

THIS DATA IS 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.