



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION					
PRODUCT NAME: Mikrosil Catalyst Paste					
PRODUCT NUMBER(S): 4-1010 (1005714)		DATE: January 16, 2012			
TRADE NAME: Casting Putty Hardener . Mikrosil Universal FUTUR Catalyst Paste. GENERAL USE: Casting putty hardener. CHEMICAL FAMILY: Alkyl silicate PRODUCT DESCRIPTION: Blue paste with faint, characteristic odor.					
MANUFACTURED FOR: Safariland LLC		DATE PREPARED: January 16, 2012			
		SUPERSEDES: August 1, 2011			
ADDRESS (NUMBER, STREET, P.O. BOX) 13386 International Parkway		TELEPHONE NUMBER FOR INFORMATION / Customer Service 800-347-1200			
(CITY, STATE AND ZIP CODE) Jacksonville, FL 32218		COUNTRY USA		CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER	
				1-800-255-3924 01-813-248-0585	
				North America Toll Free International	
SECTION 2 - HAZARDS IDENTIFICATION					
EMERGENCY OVERVIEW					
None identified. Not considered hazardous under US, Canada, or EU regulations.					
POTENTIAL HEALTH EFFECTS					
INHALATION:					
Not a likely route of exposure. May cause mild irritation if particles are inhaled.					
SKIN:					
May cause mild skin irritation, mainly with prolonged contact.					
EYES:					
May produce irritation with burning or reddening of the eyes, lachrymation.					
INGESTION:					
May produce gastrointestinal upset if swallowed.					
CARCINOGENICITY:					
NTP? No		IARC MONOGRAPHS? No		OSHA REGULATED? No	
CALIFORNIA, Prop.65? No		ESIS? No			
SECTION 3 - HAZARDOUS INGREDIENTS					
Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Alkyl stannosiloxane	<20	NR	NR	Xi	R36
Notes: Contains no hazardous ingredients as defined by OSHA 29 CFR 1910.1200. Ingredient listed is self-classified for the EU using the rules under 1907/2006/EC, 1272/2008/EC, and 453/2010/EC.					
SECTION 4 - FIRST AID MEASURES					
INHALATION:					
Remove immediately to fresh air. In case of malaise, seek medical advice.					
EYES:					
Flush well with water for 15min. Call a physician if symptoms persist.					
SKIN:					
Wash well with soap and water.					
INGESTION:					
Seek medical advice immediately. Give water to drink, but no milk, castor oil or alcohol. Give animal charcoal (5X10g in 100ml of water) at 20 minute intervals.					
SECTION 5 - FIRE FIGHTING MEASURES					
GENERAL HAZARDS:					
Combustion gasses are toxic.					
EXTINGUISHING MEDIA:					
Water mist, dry powder, foam, CO2.					
FIRE FIGHTING PROCEDURES:					
Do not use water jet. Wear SCBA and avoid inhalation of combustion gasses. Cool endangered containers with water. Prevent runoff water from fire-fighting from entering ground water.					
UNUSUAL FIRE AND EXPLOSION HAZARDS:					
Combustion gasses are toxic.					
HAZARDOUS COMBUSTION PRODUCTS:					
Carbon Mmnoxide, Carbon dioxide. Silicon oxides, Tin oxides.					

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SECTION 6 - ACCIDENTAL RELEASE MEASURES							
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:							
Scrape up and discard. Soap and water may be used to rinse small quantities away. For large quantities, use clay to bind to remainder and shovel into containers. Do not discard into sewers and/or ground water.							
SECTION 7 - HANDLING AND STORAGE							
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:							
Store in a cool, dry, well-ventilated place. Keep containers tightly closed and avoid humid conditions. Do not handle while eating, drinking, or smoking. Store below 77°F (25°C).							
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION							
HAZARDOUS COMPONENTS	NIOSH			ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	PEL ppm
Alkyl stannosiloxane	NE	NE	NE	NE	NE	0.1	NR
OSHA and ACGIH have Total Workplace Allowances of 0.1 mg/m3 (as tin) for organotin products.							
PERSONAL PROTECTION							
RESPIRATORY PROTECTION:							
Generally not needed.							
PROTECTIVE GLOVES:							
Impervious, chemical resistant.							
EYE PROTECTION:							
Safety glasses if eye contact is likely.							
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:							
None							
WORK / HYGIENIC PRACTICES:							
Avoid contact with skin or eyes. Wash thoroughly after use.							
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES							
APPEARANCE AND ODOR				VAPOR PRESSURE			
Blue paste with faint, characteristic odor.				<1 hPa @ 20°C / 68° F			
VOC 0 Volatility 0				SPECIFIC GRAVITY (WATER = 1)			
				Approx.1			
BOILING POINT / BOILING RANGE				SOLUBILITY IN WATER			
NA				Insoluble.			
FLASH POINT				VISCOSITY			
>100°C (212°F)				>80000 m.Pa.s @ 23°C / 73° F			
FLAMMABLE LIMITS				VAPOR DENSITY (AIR = 1)			
LEL: NA UEL: NA				NR			
AUTO-IGNITION TEMPERATURE				EVAPORATION RATE BUTYL ACETATE = 1)			
>300°C (572°F)				NA			
SECTION 10 - STABILITY AND REACTIVITY							
STABILITY		STABLE X		CONDITIONS TO AVOID:			
				Extreme heat or flames.			
INCOMPATIBILITY (MATERIALS TO AVOID):							
Strong oxidizers, strong acids and bases.							
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:							
Carbon Monoxide, Carbon Dioxide.							
HAZARDOUS POLYMERIZATION:				CONDITIONS TO AVOID:			
Will not occur.				None related to polymerization.			
SECTION 11 - TOXICOLOGICAL INFORMATION							
Hazardous Components		CAS # EINECS #		LD50 of Ingredient (Specify Species and Route)		LC50 of Ingredient (Specify Species)	
None present.		NR		Oral LD50 (Rat)=6270mg/kg.		Inhalation LC50 (Rat)=Inhalation LC50	
		NR		Dermal LD50 (Rabbit)=5878mg/kg.			
SECTION 12 - ECOLOGICAL INFORMATION							
Harmful to aquatic organisms; do not release into bodies of water or sewage facilities.							

