

MATERIAL SAFETY DATA SHEET

SECTION I NAME AND PRODUCT	
MANUFACTURER'S NAME CALORTEC, S. A DE C.V.	CONTACT FRANCISCO MIRANDA
ADDRESS(STREET, CITY, STATE AND ZIP CODE) AARON SAENZ PTE. 1918 64650 MONTERREY, MEXICO	EMERGENCY TELEPHONE NO. +52 (81) 8151-32-00
TRADE NAME, COMMON NAME OR SPECIFICATION Rigidizer	APPROVED BY ADRIAN RODRIGUEZ DATE 07/23/03

SECTION II COMPOSITION							
CHEMICAL NAME	%	COMMON NAME	REQ* (Y/N)	CAS NUMBER	OSHA PERMISSIVE EXPOSURE LIMIT	ACGIH TLV	CARCINO GEN (Y/N)
Silica , amorphous	50	Silicon dioxide		7631-86-9	10mg-cu.m	315mg/kg Rat oral	N
Sodium Hydroxide	<1	Caustic Soda		1210-73-2	2mg/cu.m	500mg/kg Rabbit Oral	N
Water	50			7732-18-5			

*Regulated as per lists: OSHA 29CFR 1910, subpart Z; ACGIH,HHS/NTP;& IARC

SECTION III PHYSICAL AND CHEMICAL DATA		
BOILING POINT 100°C (212°)	MELTING POINT 0°C (32°F)	SPECIFIC GRAVITY 1.39
VAPOR PRESSURE Same as Water	PERCENT VOLATILE BY VOL. 50%	VAPOR DENSITY Same as Water
EVAPORATION RATE: Low	SOLUBILITY IN WATER: Infinite	SOLUBILITY IN ALCOHOL: No
SOLUBILITY IN OTHER SOLVENT: No		APPEARANCE AND ODOR: Milky white liquid: odorless

SECTION IV FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT None (METHOD USED)	FLAMMABLE LIMITS: LEL UEL
EXTINGUISHING MEDIA: NA	
SPECIAL FIRE FIGHTING PROCEDURES: Non flammable (water)	
EXPLOSION POTENTIAL : None	

SECTION V HEALTH, FIRST AID AND MEDICAL DATA		
PRIMARY ROUTE(S) OF ENTRY	ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE	FIRST AID AND MEDICAL INFORMATION
INHALATION: None	None	None
INGESTION: Non- toxic	Stomach irritant, slightly alkaline, pH 9	Do not induce vomiting.
SKIN: CONTACT & ABSORPTION Slight irritant	None	Flush with water, apply lotion.
EYE: Avoid, wear goggles.	Irritant.	Flush immediately with water: consults physician.
OTHER POTENTIAL HEALTH RISK: None		

SECTION VI CORROSIVITY AND REACTIVITY DATA

STABILITY POLYMERIZATION	UNSTABLE MAY OCCUR	STABLE WILL NOT OCCUR
INCOMPATIBILITY (MATERIALS TO AVOID)	None	
DECOMPOSITION PRODUCTS	None	
CONDITIONS TO BE AVOIDED	None	

SECTION VII STORAGE, HANDLING AND USE PROCEDURES

NORMAL STORAGE AND HANDLING	Protect from freezing and temperatures above 150°F
NORMAL USE	Same as above.
STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS.	Mop up like water; may be slippery; non – hazardous.
WASTE	Non toxic; landfill or sewer depending on local regulations.

SECTION VIII PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)	None required; avoid breathing dried residues	
VENTILATION	LOCAL	Normal no toxic
	MECHANICAL (GENERAL)	None required.
	OTHER	None
PROTECTIVE GLOVES	No	
EYE – PROTECTION	Safety glasses with side shields	
OTHER EQUIPMENT	None	
MEASURE TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL	Rinse with water.	

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE	
OTHER PRECAUTIONS	None