

# Material Safety Data Sheet

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## SIAMAT 2 Colloidal Silica

### SECTION I PRODUCT IDENTIFICATION

**MANUFACTURER:** PACE Technologies  
1802 W. Grant Rd. No. 102  
Tucson, AZ 85745

**INFORMATION PHONE:** 520-882-6598

**EMERGENCY PHONE:** CHEMTREC 800-424-9300 (US) Day or night  
International call collect CHEMTREC 202-483-7616

**TRADE NAME:** SIAMAT™ 2 Colloidal Silica

**CHEMICAL FAMILY:** SiO<sub>2</sub> Abrasive

**HMIS RATING:** HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

**HAZARD RATING:**

LEAST: 0 SLIGHT: 1 MODERATE: 2 HIGH: 3 EXTREME: 4

### SECTION II INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% (WT)</u>
SiO <sub>2</sub> Powder	112926-00-8	10-50%
DI Water		45-88%
Proprietary Vehicle		2-5%

**Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.**

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### SECTION III PHYSICAL CHARACTERISTICS

VAPOR PRESSURE: N/A	BOILING POINT: Decomposes above 212° F
VAPOR DENSITY: N/A	POUNDS/ GALLON: N/A
SOLUBILITY IN WATER: Miscible	pH: 9.9
APPEARANCE AND ODOR: Opaque White Liquid, Trace Chemical Odor	

### SECTION IV FIRE AND EXPLOSION HAZARDS

FLASH POINT: N/A (Aqueous Liquid)

FLAMMABLE LIMITS: LEL - Not Determined  
UEL - Not Determined

EXTINGUISHING MEDIA: N/A

SPECIAL FIREFIGHTING PROCEDURES: None Required

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

AUTO IGNITION TEMPERATURE: Not Determined

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### SECTION V HEALTH HAZARD DATA

TLV 20 mppcf (5 mg/m<sup>3</sup>) Al<sub>2</sub>O<sub>3</sub> (respirable dust).

EFFECTS OF OVEREXPOSURE: None Determined

CHRONIC HAZARDS None Determined

OSHA EXPOSURE LIMITS: 20 mpcf (5 mg/m<sup>3</sup>) Respirable Dust (8 Hr. TWA)  
TLV-10 mg/m<sup>3</sup> Total Dust

EXPOSURE ANALYSIS METHOD: NIOSH Manual of Analytical Methods

#### FIRST AID PROCEDURES:

SKIN: Wash thoroughly with soap and water.

EYE: Flush thoroughly with water, lifting upper and lower lids. Get medical attention.

INHALATION: Remove individual to fresh air.

SWALLOWING: Do not induce vomiting. Give water. Call a physician.

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### SECTION VI REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: (MATERIALS TO AVOID) Strong reducing agents.

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HAZARDOUS POLYMERIZATION: Will not occur.

### SECTION VII PROTECTIVE MEASURES

EYE PROTECTION: Safety Glasses

PROTECTIVE GLOVES: Polyethylene

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### SECTION VIII SPECIAL PRECAUTIONS

As with any abrasive product, always practice safe and hygienic habits such as washing with soap and water after use. Product is abrasive; do not rub or contact with hands or face. Do not take internally. Avoid direct contact with open flame. Do not Freeze. Store in a cool, dry place with a temperature of between 45 and 85 degrees F.; and a relative humidity between 0% and 30%.

N/A = NOT APPLICABLE

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DATE PREPARED: 1999

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