



RussTech Inc.

“We Add The Difference”

MATERIAL SAFETY DATA SHEET

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Section I - PRODUCT IDENTITY: *RUSSTECH CSF*

CAS# Mixture

Common Name: Condensed Silica Fume Pozzolan For Concrete

Section II - HAZARDOUS INGREDIENTS:

Material:	CAS#	TLV	STEL	PEL	CONTENT
Silicon Fume	69012-64-2	2mg/m ³	None	6mg/m ³	>85%
Silica, Crystalline Quartz	14808-60-7	.1mg/m ³	None	10 mg/m ³	<0.5%

Section III - PHYSICAL CHARACTERISTICS:

N/Av = Not Available N/Ap = Not Applicable ca. = Approximate

Boiling Point F° (°C): N/Ap

VOC (w/w): 0%

Specific Gravity: 2.2

pH: N/Ap

Melting Point F° (°C): 2246 (1230)

Solubility in Water: Insoluble to slightly soluble

Appearance: Light to Dark Gray powder

Odor: None

Section IV - FIRE AND EXPLOSION HAZARD DATA:

HMIS Hazard Rating:

0 (Minimal)

Flash Point F° (°C):

Non-flammable Method: Not applicable

Auto-Ignition Temperature:

Not Applicable

Limits of Flammability:

LEL: Not Applicable UEL: Not Applicable

Special Fire & Unusual Hazards:

None known

Extinguishing Media: Use extinguishing media suitable for surrounding fire.

Section V - REACTIVITY DATA:

HMIS Hazard Rating:

0 (Minimal)

Stability:

Stable. Not sensitive to mechanical impact.

Incompatibility:

Hydrofluoric Acid

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products: (After water has evaporated.) None Known

Section VI - HEALTH HAZARD DATA:

HMIS Hazard Rating:

3 (Serious)

PRIMARY ROUTE OF ENTRY:

Dermal, Eyes, Inhalation

Effects of Overexposure

Inhalation: Inhalation of dust may cause coughing and labored breathing and possible temporary, but reversible irritation on mucous membranes and respiratory tract.

Eyes: Abrasive action may cause damage to the outer surface of the eye.

Skin Contact: Abrasive action may cause slight to moderate irritation. Prolonged or repeated exposure may cause drying of the skin.

Ingestion: Not likely source due to physical characteristics of product

Section VI - HEALTH HAZARD DATA (CONTINUED):**Effects of Overexposure**

Chronic: Repeated inhalation of respiratory silica in excess of the TLV over extended periods of time can result in irreversible fibrosis of the lungs (silicosis). There is sufficient evidence that crystalline silica may be carcinogenic to humans.

Section VII - FIRST AID:

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration. Seek medical attention.

Eyes: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

Skin: Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

Ingestion: Contact physician or call Poison Control Center immediately. Do **NOT** give anything by mouth to an unconscious person.

Section VIII - SPECIAL PROTECTION INFORMATION:

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of airborne dust concentrations.

Personal Protection Equipment: Use chemical goggles/safety glasses with side shields and chemical resistant gloves. Use NIOSH/MSHA approved respiratory protection whenever airborne concentrations exceed applicable TVL or TWA limits.

Section IX - ENVIRONMENTAL & DISPOSAL INFORMATION:

Waste Disposal Method: Dispose in accordance with local, provincial, state and federal regulations

Section X - REGULATORY INFORMATION:

Title III Section 302: No reportable chemicals.

Title III Section 311/312: Health hazard: Acute, Chronic Physical hazard: None

Title III Section 313: None above deminimis.

TSCA: All components of this product are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

State: California: Silica, Crystalline Quartz 14808-60-7 <0.5%

Section XI - TRANSPORTATION INFORMATION:

Shipping Name: NOT REGULATED

Emergency Response Guide Page No.: NOT REGULATED

DOT Reportable Quantity: NO REPORTABLE CHEMICALS

Marine Pollutant: NL

P = Moderate PP = Severe WS = Water Sheen NL = Not Listed ND = Not Determined

Section XII - ADDITIONAL INFORMATION:

Average Shelf Life: Indefinite if stored correctly

Special Instructions: Store in cool, dry location

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