ZINC SILICOFLUORIDE

CAUTIONARY RESPONSE INFORMATION]	4. FIRE HAZARDS	7. SHIPPING INFORMATION			
Common Synonyms Zinc fluosilicate Zinc hexafluorosilicate Zinc silicofluoride hexahydrate Keep people away. Avoid contact with solid i		Solid Sinks and mixes wi	White Odorless		 Flash Point: Not flammable Flammable Limits in Air: Not flammable Fire Extinguishing Agents: Not pertinent Fire Extinguishing Agents Not to Be Used: Not pertinent 	 7.1 Grades of Purity: Technical, 98-99% 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open 7.5 IMO Pollution Category: Currently not available 7.6 Shin Tyne: Currently not available 			
Notify local health and pollution control agencies. Protect water intakes.					4.5 Special Hazards of Combustion Products: Toxic and irritating hydrogen fluoride and silicon tetrafluoride are formed in fires	7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available			
Fire	Not flammab Irritating gas	flammable. ating gases may be produced when heated.			4.6 Behavior in Fire: Currently not available 8. HAZARD CLASSIFICATION 4.7 Auto Ignition Temperature: Not pertinent 8.1 49 CFR Category: Keep Away From 4.8 Electrical Hazards: Not pertinent 8.2 49 CFR Class: 6.1				
Exposure	DUST Initiating to eyes, nose and throat. If inhaled will cause coughing or difficult breathing. If in eyes, hold eyelids open and flush with plenty of water. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. SOLID POISONOUS IF SWALLOWED. Initiating to skin and eyes. If swallowed will cause nausea, vomiting or loss of consciousness. Remove contarrinated clothing and shoes. Flush affected areas with plenty of water. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk and have victim induce vomiting. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm.				 4.9 Burning Rate: Not pertinent 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichometric Air to Fuel Ratio: Not pertinent. 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): Not pertinent. 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 5. CHEMICAL REACTIVITY 5.1 Reactivity with Water: Not flammable 5.2 Reactivity with Common Materials: Currently not available 	8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: Not listed 8.6 EPA Reportable Quantity: 5000 pounds 8.7 EPA Pollution Category: D 8.8 RCRA Waste Number: Not listed 8.9 EPA FWPCA List: Yes 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Physical State at 15° C and 1 atm: Solid 9.2 Molecular Weight: 315.5 9.3 Boiling Point at 1 atm: (decomposes) 122–158°F = 50–70°C = 323–348°K 9.4 Freezing Point: Not pertinent 9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 2.10 at 20°C (solid) 9.8 Liquid Surface Temsion: Not pertinent			
Water Pollution	Effect of low concentrations on aquatic life is unknown. May be dangerous if it enters water intakes. Notify local health and wildlife officials.				5.3 Stability During Transport: Stable 5.4 Neutralizing Agents for Acids and Caustics: Not pertinent 5.5 Polymerization: Not pertinent				
					5.6 Inhibitor of Polymerization: Not pertinent 6. WATER POLLUTION 6.1 Aquatic Toxicity: Currently not available 6.2 Waterfowl Toxicity: Currently not available 6.3 Biological Oxygen Demand (BOD): None 6.4 Food Chain Concentration Potential: Zinc is accumulated by some organisms but is not considered to be bioconcentrative 6.5 GESAMP Hazard Profile: Not listed	 9.9 Liquid Water Interfacial Tension: Not pertinent 9.10 Vapor (Gas) Specific Gravity: Not pertinent 9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent 9.12 Latent Heat of Vaporization: Not pertinent 9.13 Heat of Combustion: Not pertinent 9.14 Heat of Decomposition: Not pertinent 9.15 Heat of Polymerization: Currently not available 9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available 			
 3.3 Treatment of Exposure INHALATION: move to fresh air. INGESTION: cause vomiting by giving scapy water or musitard water, have patient drink large quantities of lime water, if necessary, give simulant such as storog coffee. EVES: flush with water; call physician as necessary. SKIN: wash with scap and water. 3.4 TU-VW: Not listed. 3.5 Trosticity by Ingestion: Oral LD₀ = 100 mg/kg (rat). 3.6 Trosticity by Ingestion: Oral LD₀ = 100 mg/kg (rat). 3.7 toxicity by Ingestion: Currently not available. 3.10 Vapor (Gas) Irritant Characteristics: Currently not available. 3.10 Vapor (Gas) Irritant Characteristics: Currently not available. 3.10 Vapor (Gas) Irritant Characteristics: Currently not available. 3.10 Orbit Scutter Value Stated. 3.10 DH Value: Not listed. 3.15 OSHA PEL-TWA: Not listed. 3.16 OSHA PEL-TWA: Not listed. 3.17 EPA AEGL: Not listed. 3.17 EPA AEGL: Not listed. 				NOTE	55				

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9. SATURATED L	20 QUID DENSITY	9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
	N O T		N O T		N O T		N O T
	- PERTINENT		r Per R T I N E N T		- PERT-NENT		- PERT-NENT

9. SOLUBILIT	24 Y IN WATER	9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
(degrees F) 35 40 45 50 55 60 65 70 75 80 85 90	of water 51.343 51.775 52.208 52.640 53.073 53.938 54.371 54.803 55.236 55.236 55.668 56.101	(degrees F)	N O T P E R T I N E N T	(degrees F)	NOT PERTINENT	(degrees F)	pound-F