## **ZINC SULFATE**

Inc sullate heptahydrate Inc vitriol   Sinks and mixes with water.   4.3 Fire Extinguist     Keep people away. Avoid contact with solid and dust. Notify local health and pollution control agencies. Protect water intakes.   4.3 Fire Extinguist     Fire   Not flammable.   4.5 Special Hazarc Products: No 4.5 Special Hazarc Products: No 4.6 Behavior in Firi     Exposure   CALL FOR MEDICAL AID. DUST Irritating to eyes, nose and throat. If in headed will cause coughing or difficult breathing. If breathing is difficult, give axveen.   4.1 Strine Extinguist 4.3 Fire Extinguist Use: Not 4.5 Special Hazarc Products: No 4.6 Behavior in Firi 4.7 Auto Ignition T 4.8 Electrical Haza 4.9 Burning Rate: 4.10 Adiabatic Flar not available	s of Combustion pertinent e: Currently not available emperature: Not pertinent rds: Not pertinent S the pertinent s the pertinent rds: Not pertinent T 5 Ship Type: Currently not available 7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available 8.1 HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Not listed.
At fire Extinguist     Keep people away. Avoid contact with solid and dust. Notify local health and pollution control agencies. Protect water intakes.     Fire   Not flammable.     Exposure   CALL FOR MEDICAL AID. DUST Initiating to eyes, nose and throat. If inhaled will cause coupling or difficult breathing. If breathing is difficult open and flush with plenty of water. If breathing is difficult, give avroen.	ing Agents Not to Be intent   7.4 Ventung: Open     intent   7.5 IMO Pollution Category: Currently not available     s of Combustion pertinent   7.6 Ship Type: Currently not available     r.Currently not available emperature: Not pertinent   7.7 Barge Hull Type: Currently not available     8.1 49 CFR Category: Not listed.
Keep people away. Avoid contact with solid and dust.   4.5 Special Hazard Products: No     Notify local health and pollution control agencies.   4.5 Special Hazard Products: No     Protect water intakes.   4.6 Behavior in Fir     Fire   Not flammable.   4.6 Behavior in Fir     Exposure   CALL FOR MEDICAL AID. DUST Infritating to eyes, nose and throat. If in haled will cause coughing or difficult breathing. If the reak hold eyelid sopen and flush with plenty of water. If breathing is difficult, give avgree.   4.11 Stoichometric 9 available	s of Combustion pertinent e: Currently not available emperature: Not pertinent ds: Not pertinent st. 149 CFR Category: Not listed.
Fire     Not flammable.     4.7 Auto Ignition T       Exposure     CALL FOR MEDICAL AID. Distribution T     4.8 Electrical Haza     4.9 Burning Rate:       Instruction T     Distribution T     4.8 Electrical Haza     4.9 Burning Rate:       Instruction T     Distribution T     4.10 Adiabatic Flar     4.10 Adiabatic Flar       Instruction T     Initiating to eyes, nose and throat. If in headed will cause coughing or difficult breathing.     4.11 Stoichometric pertinent.     4.11 Stoichometric pertinent.       If breathing has stopped, give artificial respiration.     If breathing is difficult or give oxygen.     4.12 Flame Temper available	emperature: Not pertinent     8. HAZARD CLASSIFICATIONS       rds: Not pertinent     8.1 49 CFR Category: Not listed.
Xposure   CALL FOR MEDICAL AID. DUST   4.8 Electrical Haza     Irritiating to eyes, nose and throat. If inhaled will cause coughing or difficult breathing. If inhaled will cause coughing or difficult breathing. If breathing has stopped, give artificial respiration.   4.10 Adiabatic Flar not available     4.11 Stoichometric pertinent.   4.11 Stoichometric pertinent.     16 breathing has stopped, give artificial respiration.   4.12 Flame Temper available	0.1 49 CFK Category. Not listed.
DUST     not available       Irritating to eyes, nose and throat.     not available       If inhaled will cause coughing or difficult breathing.     4.11 Stoichometric pertinent.       If in eyes, hold eyelids open and flush with plenty of water.     4.12 Flame Temper available       If breathing has stopped, give artificial respiration.     4.12 Flame Temper available	
If inhaled will cause coughing or difficult breathing. + 1 - 1 Solucionematic   If in eyes, hold eyelids open and flush with Jenty of water. + 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Bit State     State
If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen, available	8.5 NFPA Hazard Classification: Not listed
	8.7 EPA Pollution Category: C
SOLID Product): Not	
	yen Concentration for MOCC): Not listed 9. PHYSICAL & CHEMICAL PROPERTIE
Flush affected areas with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water. 5. CHEMIC	AL REACTIVITY 9.1 Physical State at 15° C and 1 atm: Solid
IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk and have victim induce vomiting. 5.1 Reactivity with	Common Materials: 9.3 Boiling Point at 1 atm: Not pertinent
IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm. 5.3 Stability Durin	vailable (decomposes) <b>17ransport:</b> Stable <b>9.4 Freezing Point:</b> (decomposes) 122-212°F
Water HARMFUL TO AQUATIC LIFE IN VERY LOW CONCENTRATIONS. 5.4 Neutralizing A May be dangerous if it enters water intakes. 5.4 Neutralizing A	jents for Acids and 50-100°C = 323-373°K
Pollution Notify local health and wildlife officials. 5.5 Polymerization	Fermien
	9.8 Liquid Surface Tension: Not pertinent
CORRECTIVE RESPONSE ACTIONS 2. CHEMICAL DESIGNATIONS 6.1 Aquatic Toxici	y:
Stop discharge 2.1 Go Compute ZinSO <sub>4</sub> 7H <sub>2</sub> O 4.6 ppm/96 hr/m	20 hr/stickleback/lethal/* ainbow trout/LCco/fresh 9.10 Vapor (Gas) Specific Gravity: Not pertine 9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent
2.3     IMO/UN Designation: Not listed     water       2.4     DOT ID No.: 9161     "Water type no       2.5     CAS Registry No.: 7733-02-0     6.2     Water forwing	9.12 Latent Heat of Vaporization: Not pertine
2.6 NAERG Guide No.: 171 available	gen Demand (BOD): None     9.13 Heat of Combustion: Not pertinent       9.14 Heat of Decomposition: Not pertinent
52349 6.4 Food Chain Co	9.15     Heat of Solution: Not pertinent       ncentration Potential:     9.15     Heat of Solution: Not pertinent       Jated by some organisms     9.16     Heat of Polymerization: Not pertinent
1 Personal Protective Equipment: Dust mask; goggles or face shield; protective gloves tive.	idered to be bioconcentra- 9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available
cause irritation or corrosion of the alimentary tract. Contact with eyes or skin causes irritation.	9.19 Reid Vapor Pressure: Currently not available 9.19 Reid Vapor Pressure: Currently not available
3 Treatment of Exposure: INHALATION: move to fresh air. INGESTION: induce vomiting, followed by prompt and complete gastric lavage, cathartics, and demulcents. EYES or SKIN: flush with water.	NOTES
5 TLV-STEL: Not listed. 6 TLV-Ceiling: Not listed.	
7 Toxicity by Ingestion: Grade 2; LDso = 0.5-5 g/kg 8 Toxicity by Inhalation: Currently not available.	
9 Chronic Toxicity: Currently not available 10 Vapor (Gas) Irritant Characteristics: Currently not available	
11 Liquid or Solid Characteristics: Currently not available 12 Odor Threshold: Currently not available	
14 OSHA PEL-TWA: Not listed.	
16 OSHA PEL-STEL: Not listed. 16 OSHA PEL-Ceiling: Not listed.	
17 EPA AEGL: Not listed	

## ZINC SULFATE

9.20 SATURATED LIQUID 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
	P E R T I N E N T		P E R T I N E N T		PERTINER TINENT		P E R T I N E N T

9.24 SOLUBILITY 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
34 36 38 40 42 44 46 48 50 52 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84	42.280 42.950 43.630 44.310 44.390 45.670 46.340 47.020 47.700 47.700 48.380 49.050 49.730 50.410 51.770 52.440 53.120 53.800 54.480 55.150 55.830 56.511 57.190 57.870 58.540 59.220		N OT PERTINENT		N O T E R T I N E N T		N O T P E R T I N E N T T