ZINC AMMONIUM CHLORIDE

Common Syno Ammonium pentachlo Ammonium zinc chlori	rozincate de	d White Odorless	4.1 Flash Point: Not flammable 4.2 Flammable Limits in Air: Not fla 4.3 Fire Extinguishing Agents: Not		
	e away. Avoid conta health and pollution of	4.4 Fire Extinguishing Agents Not Used: Not pertinent 4.5 Special Hazards of Combustio Products: Not pertinent			
Fire	Not flammable.	4.6 Behavior in Fire: Currently not a 4.7 Auto Ignition Temperature: No 4.8 Electrical Hazards: Not pertinen			
Exposure Water	If in eyes, hold eye If breathing has sti If breathing has sti If swallowed will ca Remove contamina Flush affected area IF IN EYES, hold e IF SWALLOWED 2 and have victim inc IF SWALLOWED 2 do nothing except I Effect of low conce May be dangerous	nose and throat. e coughing or difficult breathing. elids open and flush with plenty of water. opped, give artificial respiration. cult, give oxygen. ause nausea and vomiting. ated clothing and shoes. as with plenty of water. and victim is CONSCIOUS, have victim drink water or milk duce vomiting. and victim is UNCONSCIOUS OR HAVING CONVULSIONS, keep victim warm. entrations on aquatic life is unknown. if it enters water intakes.	 4.9 Burning Rate: Not pertinent 4.10 Adiabatic Flame Temperature not available 4.11 Stoichometric Air to Fuel Ratii pertinent. 4.12 Flame Temperature: Currently available 4.13 Combustion Molar Ratio (Rea Product): Not pertinent. 4.14 Minimum Oxygen Concentratii Combustion (MOCC): Not liste 5. CHEMICAL REACTIVIT 5.1 Reactivity with Water: No react 5.2 Reactivity with Common Mater Currently not available 5.3 Stability During Transport: Sta 5.4 Neutralizing Agents for Acids : Caustics: Not pertinent 		
Pollution		and wildlife officials. f nearby water intakes.	5.5 Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: N		
3.1 Personal Prote 3.2 Symptoms Fol irritation or 3.3 Treatment of E has cease catharsis, 3. 3.4 TLV-TWA: Not 3.5 TLV-STEL: Not 3.5 TLV-STEL: Not 3.7 Toxicity by Ing 3.8 Toxicity by Ing	3. ctive Equipment: D owing Exposure: In corrosion of the alim xposure: INHALATIG INGESTION: induc and demulcents. EYE listed. listed. listed. estion: Grade 2; LD alation: Currently noi	2.1 CG Compatibility Group: Not listed. 2.2 Formula: ZnCk: 3NH4Cl 2.3 MOVIN Designation: Not listed 2.4 DOT ID No.: 9154 2.5 CAS Registry No.: 52628-25-8 2.6 NAERG Guide No.: 171 2.7 Standard Industrial Trade Classification: 52329 Dust mask: goggles or face shield; protective gloves nhalation of dust irritates nose and throat. Ingestion can cause lentary tract. Confact with eyes or skin causes irritation. ON: remove from exposure; begin artificial respiration if breathing ze vormting, followed by prompt and complete gastric lavage, ES: flush with water for at least 15 min. SKIN: flush with water. Das = 0.5-5 g/kg t available. SKIN	 6.1 Aquatic Toxicity: Currently not available 6.2 Waterfowl Toxicity: Currently not available 6.3 Biological Oxygen Demand (Bt Currently not available 6.4 Food Chain Concentration Pot Zinc accumulates in some orga is not considered to be bioconc 6.5 GESAMP Hazard Profile: Not lis 		
3.10 Vapor (Gas) Ir 3.11 Liquid or Solio	I Characteristics: Co Id: Currently not avai ot listed. /A: Not listed. EL: Not listed. iling: Not listed.	cs: Currently not available currently not available			

	7. SHIPPING INFORMATION
	7.1 Grades of Purity: Commercial
	7.2 Storage Temperature: Ambient
nmable	7.3 Inert Atmosphere: No requirement
pertinent	7.4 Venting: Open
o Be	7.5 IMO Pollution Category: Currently not available
	7.6 Ship Type: Currently not available
	7.7 Barge Hull Type: Currently not available
ailable	7.7 Barge Hull Type: Currently not available
pertinent	8. HAZARD CLASSIFICATIONS
pertinent	
	8.1 49 CFR Category: ORM-E
Currently	8.2 49 CFR Class: Not pertinent
ourionay	8.3 49 CFR Package Group: Not listed.
Not	8.4 Marine Pollutant: No
	8.5 NFPA Hazard Classification: Not listed
ot	8.6 EPA Reportable Quantity: 1000 pounds
ant to	8.7 EPA Pollution Category: C
	8.8 RCRA Waste Number: Not listed
n for	8.9 EPA FWPCA List: Yes
ł	
	9. PHYSICAL & CHEMICAL PROPERTIES
Y	9.1 Physical State at 15° C and 1 atm: Solid
on	9.2 Molecular Weight: 296.8
als:	9.3 Boiling Point at 1 atm: (sublimes) 644°F =
	340°C = 613°K
e	9.4 Freezing Point: Not pertinent
nd	9.5 Critical Temperature: Not pertinent
	9.6 Critical Pressure: Not pertinent
pertinent	9.7 Specific Gravity: 1.81 at 20°C (solid)
Jertinent	9.8 Liquid Surface Tension: Not pertinent
	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
D):	9.13 Heat of Combustion: Not pertinent
	9.14 Heat of Decomposition: Not pertinent
ntial:	9.15 Heat of Solution: Not pertinent
isms but ntrative.	9.16 Heat of Polymerization: Not pertinent
ed	9.17 Heat of Fusion: Currently not available
	9.18 Limiting Value: Currently not available
	9.19 Reid Vapor Pressure: Currently not
	available

NOTES

ZINC AMMONIUM CHLORIDE

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		P E R T I N E N T		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
(degrees F)	of water V E R Y S O L U B L E	(degrees F)	N O T P E R T I N E N T	(degrees F)	N O T P E R T I N E N T	(degrees F)	pound-F