FERRIC AMMONIUM CITRATE

UTIONARY RESPO	NSE INFORMATION	4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Solid Red, green or brown Odorless Armonium ferric citrate Ferric ammonium citrate, brown Ferric ammonium citrate, green Sinks and mixes slowly with water. Sinks and mixes slowly with water. Keep people away. Avoid contact with solid and dust. Keep people away. Avoid contact with solid and dust. Keep people away. Avoid contact with solid and dust.		 4.1 Flash Point: Not flammable 4.2 Flammable Limits in Air: Not flammable 4.3 Fire Extinguishing Agents: Not pertinent 4.4 Fire Extinguishing Agents Not to Be Used: Currently not available 4.5 Excited Leventdo of Combustion 	7.1 Grades of Purity: Commercial 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 Ship Type: Currently not available		
n. Ith and pollution control agencies ntakes.		Products: Toxic oxides of nitrogen or ammonia gas may be formed in fires.	7.7 Barge Hull Type: Currently not available		
ot flammable.		4.7 Auto Ignition Temperature: Not pertinent4.8 Electrical Hazards: Not pertinent	 8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Not listed. 8.2 49 CFR Class: Not pertinent 		
in eyes, hold eyelids open and fl breathing has stopped, give artif breathing has stopped, give artif breathing is difficult, give oxyger DLID Litating to skin and eyes. swallowed will cause nausea an emove contaminated clothing an ush affected areas with plenty of IN EYES, hold eyelids open and SWALLOWED and victim is UN	fficul treathing. ush with plenty of water. icial respiration. 1. d vomiting. d shoes. f water. 3 flush with plenty of water. NSCIOUS, have victim drink water or milk. ICONSCIOUS RHAVING CONVULSIONS,	 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: No reaction 	 8.3 49 CFR Package Group: Not listed. 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: Not listed 8.6 EPA Reportable Quantity: 1000 pounds 8.7 EPA Pollution Category: C 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: Not pertinent (mixture) 9.3 Boiling Point at 1 atm: Not pertinent (decomposes) 		
fect of low concentrations on aq ay be dangerous if it enters wate otify local health and wildlife offic	uatic life is unknown. er intakes. ials.	5.2 Reactivity with evailable Currently not available 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	 9.4 Freezing Point: Not pertinent 9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 1.8 at 20°C (solid) 9.8 Liquid Surface Tension: Not pertinent 		
SPONSE ACTIONS Prise 3. HEALTH HA e Equipment: Approved respiration ng Exposure: Inhalation of dust th and stomach. Dust irritates e sure: INGESTION: give large a (as iron) id. ted. on: Currently not available on: Currently not available. Currently not available. Currently not available.	 CHEMICAL DESIGNATIONS CG Compatibility Group: Not listed. Formula: Mixture of FeC4HO7, (NH4):HC4H5O7, and water of hydration MO/UN Designation: Not listed DOT ID No: 9118 CAS Registry No:: 1185-57-5 NAERG Guide No: 171 Standard Industrial Trade Classification: 51550 Stark Guide No: 171 Standard Industrial Guide Science (Stark) Application (Stark) Cass and Industrial Guide Science (Stark) Mark Science (Stark) Cass and Industrial Trade Classification: 51550 		 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 9.14 Heat of Combustion: Not pertinent 9.15 Heat of Solution: Not pertinent 9.16 Heat of Polymerization: Not pertinent 9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available 		
	Solid rown reen Solid Sinks and mixes slov Sinks and mixes slove Sinks and exes Sinks and exes Sinks and eyes Sinks Sinks and eyes Sinks Si	rever the second	Solid Red, green or brown Odorless Sinks and mixes slowly with water.		

FERRIC AMMONIUM CITRATE

9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature Pounds (degrees F)	ids 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 T I N E N T		P E R T I N E N T		P E R T – 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
77	25.000		N O T E R T I N E N T		N O T E R T I N E N T		N O T E R T I N E N T