URANYL SULFATE

7. SHIPPING INFORMATION 7.1 Grades of Purity: Commercial; Pure 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement

7.5 IMO Pollution Category: Currently not available 7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available 8. HAZARD CLASSIFICATIONS

7.4 Venting: Open

pertinent

8.1 49 CFR Category: Not listed
8.2 49 CFR Class: Not pertinent
8.3 49 CFR Package Group: Not listed.
8.4 Marine Pollutant: No

NFPA Hazard Classification: Not listed
 EPA Reportable Quantity: Not listed.
 FPA Pollution Category: Not listed.
 RCRA Waste Number: Not listed
 PEA FWPCA List: Not listed

 PHYSICAL & CHEMICAL PROPERTIES
 Physical State at 15° C and 1 atm: Solid
 Molecular Weight: 420.2
 Boiling Point at 1 atm: Not pertinent (decomposes)
 Freezing Point: Not pertinent
 Critical Temperature: Not pertinent
 Critical Pressure: Not pertinent
 Specific Gravity: 3.28 at 20°C (solid)
 Liquid Surface Tension: Not pertinent
 Liquid Water Interfacial Tension: Not

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: Not pertinent
9.16 Heat of Fusion: Currently not available
9.18 Limiting Value: Currently not available
9.19 Reid Vapor Pressure: Currently not available

CAUTIONARY RE			
Common Synonyms Solid Uranium sulfate Uranium sulfate trihydrate Uranyl sulfate trihydrate Sinks and mixes wit			
Keep people away. Avoid contact with Notify local health and pollution control Protect water intakes.			
Fire Not flammable.			
Exposure DUST Irritating to eyes, nose and thre If inhaled will cause coughing of If in eyes, hold eyelids open ar If breathing has stopped, give i If breathing is difficult, give oxy SOLID Irritating to skin and eyes. Harmful if swallowed. Remove contaminated clothing Flush affected areas with plent IF IN EYES, hold eyelids open IF SWALLOWED and victim is and have victim induce vornitin IF SWALLOWED and victim is do nothing except keep victim to			
			Water Effect of low concentrations on aquatic life is unknown. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes. Notify operators of nearby water intakes.
1. CORRECTIVE RESPONSE ACTIONS Dilute and disperse Stop discharge 3. HEALTH H 3.1 Personal Protective Equipment: Approved dust r			
 3. Treatment of Exposure: Get medical atter give large amounts of water; induce vo flush with water. 3.4 TLV-TWA: 0.2 mg/m³ (as uranium) 3.5 TLV-STEL: 0.6 mg/m³ (as uranium) 3.6 TLV-Ceiling: Not listed. 3.8 Toxicity by Inplastion: Currently not available 3.9 Chronic Toxicity: Currently not available 3.10 Vapor (Gas) Irritant Characteristics: Currently 3.12 Odor Threshold: Currently not available 3.13 IDLH value: 10 mg Um³ 3.14 OSHA PEL-TWA: 0.05 mg/m³ (as uranium) 3.16 OSHA PEL-Ceiling: Not listed. 3.17 EPA AEGL: Not listed 			

URANYL 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		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
34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84	10.480 11.250 12.030 12.800 13.570 14.340 15.110 15.890 16.660 17.430 18.200 18.200 18.200 22.200 22.200 22.200 22.200 22.840 23.610 24.380 25.150 25.930 26.700 27.470 28.240 29.010 29.790		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