CALCIUM CHLORIDE

Common Synonyms		Solid or water	White to off-white Odorless	4.1 Flash P Not fla		
Calcium chloride, anhydrous Calcium chloride hydrates		solution		4.2 Flamma 4.3 Fire Ext		
Keep peop	le away. Avo	id contact with liquid a	and solid.	4.4 File Ext Used: 4.5 Special		
Wear rubb Notify loca	er overclothing I health and po	g (including gloves). Illution control agenci	ies.	4.5 Special Produ		
Protect wa	ter intakes.			4.6 Benavic 4.7 Auto Igr		
Fire	Not flamma	ble.		4.8 Electrical 4.9 Burning F 4.10 Adiabati		
Exposure	CALL FOR SOLUTION	MEDICAL AID. OR SOLID		not ava		
	Will burn sk If swallowe	in and eyes. d will cause nausea a ptominated alothing a	and vomiting.	4.12 Flame		
	Flush affect	ted areas with plenty	of water. nd flush with plenty of water.	4.13 Combu		
	IF SWALLC or milk.	DWED and victim is C	CONSCIOUS, have victim drink water	4.14 Minimu		
	IF SWALLO	OWED and victim is L except keep victim wa	JNCONSCIOUS OR HAVING CONVULSIONS, arm.	Comb		
Water	Dangerous May be dar	to aquatic life in high gerous if it enters wa	concentrations. ater intakes.	5. Ci 5.1 Reactiv		
Pollution	Notify local Notify opera	health and wildlife of ators of nearby water	ficials. · intakes.	dissolv 5.2 Reactiv		
	-			Metals		
1. CORRECTIVE	RESPONS	E ACTIONS	2. CHEMICAL DESIGNATIONS	5.3 Stability 5.4 Neutral		
Dilute and Stop disch	disperse arge		2.1 CG Compatibility Group: Not listed. 2.2 Formula: CaClaytho where y = 0 to 6	Caust 5.5 Polyme		
			2.3 IMO/UN Designation: Not listed 2.4 DOT ID No.: Not listed	5.6 Inhibito		
			2.5 CAS Registry No.: 10043-52-4 2.6 NAERG Guide No.: Not listed	6.		
			2.7 Standard Industrial Trade Classification: 52322	6.1 Aquation 555 pp		
		3. HEALTH H	HAZARDS	10,650 W		
3.2 Symptoms Fol	ective Equipri	nent: Salety glasses	or race shield, dust-type respirator, rubber gloves	2,400 p		
irritation of	mouth and at	sure. Initialation caus	es irritation of nose and throat. Ingestion causes	6.2 Waterfa		
irritation of possible tra solutions c	mouth and ste ansient cornea	al injury. Contact of so	es irritation of nose and throat. Ingestion causes eyes (particularly by dust) causes irritation and blid with dry skin causes mild irritation; strong superficial burn.	6.2 Waterfo availa		
irritation of possible tra solutions c 3.3 Treatment of E INGESTIO	mouth and sto ansient cornea an cause mar Exposure: INF N: give large	al injury. Contact with a li injury. Contact of so ked irritation, even a HALATION: move to amounts of water. E	es inflation or nose and throat. Ingestion causes pyes (particularly by dust) causes inflation and olid with dry skin causes mild irritation; strong superficial burn. fresh air; if discomfort persists, get medical attention. VES: promptly flood with water and continue washing.	6.2 Waterfc availa 6.3 Biologi 6.4 Food C		
irritation of possible tra solutions c 3.3 Treatment of E INGESTIOI for at least 3.4 TLV-TWA: Not	mouth and str ansient cornea an cause mart Exposure: INF N: give large 15 min.; cons listed.	ormach. Contact with al injury. Contact with ked irritation, even a HALATION: move to amounts of water. E` ult an ophthalmologis	es inflation of nose and throat. Ingestion causes yees (particularly by dust) causes inflation and olid with dry skin causes mild inflation; strong superficial burn. fresh air; if discomfort persists, get medical attention. YES: promptly flood with water and continue washing t. SKIN: flush with water.	6.2 Waterfo availa 6.3 Biologi 6.4 Food C None 6.5 GESAM		
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FIRE HAZARDS	7. SHIPPING INFORMATION
t: able	7.1 Grades of Purity: Anhydrous 90-97%; water solutions containing 51-86%
Limits in Air: Not flammable	7.2 Storage Temperature: Ambient
juishing Agents: Not pertinent	7.3 Inert Atmosphere: No requirement
uishing Agents Not to Be	7.4 Venting: Open
t pertinent	7.5 IMO Pollution Category: Currently not available
zards of Combustion : Currently not available	7.6 Ship Type: Currently not available
n Fire: Currently not available	7.7 Barge Hull Type: Currently not available
on Temperature: Not pertinent	
Hazards: Not pertinent	8. HAZARD CLASSIFICATIONS
ate: Not pertinent	8.1 49 CFR Category: Not listed
ble	8.2 49 CFR Class: Not pertinent
etric Air to Fuel Ratio: Not	8.3 49 CFR Package Group: Not listed.
	8.4 Marine Pollutant: No
nperature: Currently not	8.5 NFPA Hazard Classification: Not listed 8.6 EPA Reportable Quantity: Not listed.
on Molar Ratio (Reactant to	8.7 EPA Pollution Category: Not listed.
Not Pertinent	8.8 RCRA Waste Number: Not listed
Oxygen Concentration for ion (MOCC): Not listed	8.9 EPA FWPCA List: Not listed
	9 PHYSICAL & CHEMICAL PROPERTIES
MICAL REACTIVITY	
with Water: Anhydrous grade	9.1 Physical State at 15° C and 1 atm: Solid
with evolution of some heat.	9.2 Molecular Weight: 110.99 (solute)
with Common Materials:	9.3 Boiling Point at 1 atm: Not pertinent
I slowly corrode in aqueous	9.4 Freezing Point: Not pertinent
uring Transport: Stable	9.5 Critical Temperature: Not pertinent
a Agents for Acids and	9.6 Critical Pressure: Not pertinent
Not pertinent	9.7 Specific Gravity: 2.15 at 20°C (solid)
ation: Not pertinent	9.8 Liquid Surface Tension: Not pertinent
f Polymerization: Not pertinent	9.9 Liquid Water Interfacial Tension: Not pertinent
ATER POLLUTION	9.10 Vapor (Gas) Specific Gravity: Not pertinent
xicity:	9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent
68 hr/rock bass/killed/tap water	9.12 Latent Heat of Vaporization: Not pertinent
m/96 hr/sunfish/LD50/fresh	9.13 Heat of Combustion: Not pertinent
/48 hr/marine fish/TLm/sea	9.14 Heat of Decomposition: Not pertinent
r Toxicity: Currently not	9.15 Heat of Solution: -292 Btu/lb = -162 cal/g = -6.79 X 10 ⁵ J/kg
	9.16 Heat of Polymerization: Not pertinent
Oxygen Demand (BOD): None	9.17 Heat of Fusion: 55 cal/g
n Concentration Potential:	9.18 Limiting Value: Currently not available
Land Bar Ch	9 19 Reid Vapor Pressure: Currently not
ulation: 0	available
o living resources: 0	
al hazard: 1	
ontact hazard: II	
of unclinics. XX	
NOTE	3

CALCIUM 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 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) 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	of water 60.330 61.170 62.000 62.830 63.670 64.500 65.330 66.169 67.000 67.830 68.669 69.500 70.330 71.169 72.000 72.830 73.669 74.500 75.330 76.169 77.500 77.830 78.669 79.500 80.330 81.169	(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 Z T	(degrees F)	P E R T I N E N T T