MATERIAL SAFETY DATA SHEET EMERGE BLUE CRYSTAL® RESIDENTIAL DISINFECTING TABLETS

EMERGENCY TELEPHONE: (800) 424-9300

CHEMTREC #16012

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I. PRODUC	T IDENTIFICATIO	N			
TRADE NAME CHEMICAL NAME		Blue Crystal® Calcium Hypochlorite, Hydrated, Tablets	IDENTIFICATION NUMBER PACKING GROUP REPORTABLE QUANTITY	UN 2880 II 10 pounds/4.5 Kg.	
CHEMICAL ABSTRACT SERVICE NO. CHEMICAL FAMILY FORMULA U.S. DOT SHIPPING NAME U.S. DOT HAZARD CLASS		CAS #7778-54-3 Hypochlorite Ca $(OCI)_2 \bullet H_2O$ Calcium Hypochlorite, Hydrated 5.1 Oxidizer	HMIS/NFPA RATING I.M.O. DESCRIPTION	3/0/1 Calcium Hypochlorite, Hydrated, Class 5.1, UN 2880, Packing Group II, IMDG Code Page 5138	
II. INGREDI	ENTS				
CALCIUM HYPOCHLORITE (70% Available Chlorine) 73% INERT INGREDIENTS (Includes 5.5-10% Moisture and colorant) 27%					
III. PHYSICAL DATA					
BOILING POINT AT 760 mm Hg SPECIFIC GRAVITY OF TABLET pH OF SOLUTION APPEARANCE AND ODOR		Decomposes at 180° C 1.94 $(H_2O = 1)$ Alkaline White with blue crystals and chlorine odor	SOLUBILITY IN H ₂ O; % BY WEIGHT APPROXIMATE BULK DENSITY HEAT OF SOLUTION VOLUME % VOLATILE	217 g/l at 27° C 61 lbs./ft ³ Slightly Exothermic Not Applicable	
IV. FIRE AND EXPLOSION DATA					
FLASH POINT EXTINGUISHING MEDIA SPECIAL FIRE FIGHTING PROCEDURES UNUSUAL FIRE & EXPLOSION HAZARD		None Water Only - Smothering Ineffective NIOSH - Approved, positive pressure, self-contained breathing apparatus with full face piece for possible exposure to hazardous gas. Decomposes rapidly at 180° C, generating oxygen and heat. Containers may rupture. (Do <u>NOT</u> use dry extinguishers containing ammonium compounds).			
V. HEALTH	HAZARD DATA				
ACUTE TOXICITY DATA (LC 50 INHALATION LD 50 ORAL LD 50 DERMAL LC 50 AQUATIC	(ANIMAL) I	(Rat) No Mortality at 3.5 mg/l (1 hour) 850 mg/kg (Rat) (Rabbit) > 1000 mg/kg TLM 96 Hr.: 10-1 ppm	CLASSIFICATION INHALATION SKIN EYE INGESTION AQUATIC	Irritating Corrosive Corrosive Toxic Highly Toxic	
CAUSES BURNS TO EYES AND SKIN CHRONIC TOXICITY		There are no known or reported effects from a	repeated exposure.		
VI. EFFECTS OF OVEREXPOSURE					
PERMISSIBLE No permissible exposure limits have been established by OSHA.					
INHALATION EYE/SKIN INGESTION CHRONIC	Inhalation of this material is irritating to the nose, mouth, throat, and lungs. It may also cause burns to the respiratory tract with the production of lung edema which can result in shortness of breath, wheezing, choking, chest pain, and impairment of lung function. Inhalation of high concentrations can result in permanent lung damage. Chronic (repeated) inhalation exposure may cause impairment of lung function and permanent lung damage. YE/SKIN Severe irritation and/or burns can occur following eye exposure. Contact may cause impairment of vision and corneal damage. Contact with skin may cause severe irritation, burns, or tissue destruction. IGESTION Inritation and/or burns can occur to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdomina pain, bleeding, and/or tissue ulceration. HRONIC There are no known or reported effects from chronic exposure.				
VII. EMERGENCY AND FIRST AID PROCEDURES					
INHALATION Remove to fresh air. Give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention immediately. INHALATION Immediately flush with large amounts of water for fifteen (15) minutes, rinsing eye thoroughly. Get medical attention. SKINCONTACT Wash with plenty of soap and water for fifteen (15) minutes. Remove contaminated clothing and wash before reuse. If skin irritation occurs, get medical attention. INGESTION If conscious, drink a large quantity of water and common vegetable oil. Do <u>NOT</u> induce vomiting. Take immediately to hospital. Avoid alcohol. If unconscious, or in convulsions, seek medical attention immediately. Do not give anything by mouth to an unconscious person.					
VIII. REACTIVITY DATA					
STABILITY CONDITIONS TO AVOID INCOMPATIBILITY HAZARDOUS DECOMPOSITION PRODUCTS		Unstable. Any form of contamination or excessive heat above 177° C. Acids, combustible materials, organics, reducing agents, flammables, beverages, compounds containing nitrogen, dry powder fire extinguishers (containing mono-ammonium phosphate). Acids or ammonia contamination will release toxic gas. Excessive heat may cause decomposition and release chlorine gas.			
IX. SPILL AN	IX. SPILL AND LEAK PROCEDURE				
USE EXTREME CAUTION IN HANDLING SPILLED MATERIAL. CONTAMINATION WITH ORGANIC OR COMBUSTIBLE MATERIAL MAY CAUSE FIRE OR VIOLENT DECOMPOSITION. IF FIRE OR DECOMPOSITION OCCURS INAREA OF SPILL, IMMEDIATELY DOUSE WITH PLENTY OF WATER. OTHERWISE, SWEEP UP ALL VISIBLE MATERIAL USING A CLEAN, DRY SHOVELAND BROOM AND DISSOLVE MATERIAL IN WATER. CARE MUST BE TAKEN WHEN USING OR DISPOSING OF CHEMICAL MATERIALS TO PREVENT ENVIRONMENTAL CONTAMINATION. IT IS YOUR DUTY TO DISPOSE OF THE CHEMICAL MATERIALS AND/OR THEIR CONTAINERS IN ACCORDANCE WITH THE CLEAN AIR ACT, THE CLEAN WATER ACT AND RCRA REGULATIONS.					
X. SPECIAL	PECIAL PROTECTION INFORMATION				
RESPIRATORY PROTECTION VENTILATION EYE PROTECTION	ON	If conditions are dusty, use NIOSH Not required unless dusty condition Chemical safety goggles.	respirator with acid gas cartridge and dust p s are encountered. Store and use in a well-	ore-filter. ventilated area.	

EYE PROTECTION GLOVES OTHER PROTECTIVE EQUIPMENT

Natural or synthetic rubber. Boots, aprons, or chemical suits as required to prevent skin contact.

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