

77P
GENERAL CHEMICAL CORPORATION
CUSTOMERS' SERVICE SYSTEM
P.O. BOX 393
PARSIPPANY
NEW JERSEY 07054-0393
TELEPHONE: 800 - 631-8050 NOV 27 11:12

NOVEMBER 21, 1995

SYRACUSE CITY SCHOOL DISTRICT
ACCOUNTS PAYABLE
725 HARRISON STREET
SYRACUSE, NY

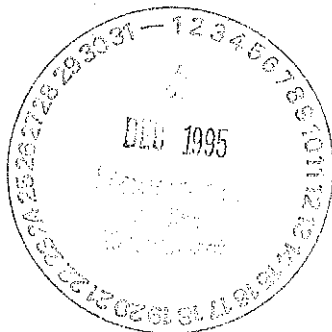
13210
ATTENTION: MSDS COORDINATOR

HERE ARE PRODUCT SAFETY DATA SHEETS FOR THE PRODUCTS THAT WE HAVE
JUST SHIPPED TO YOU* FOR THE FIRST TIME:

0607200810B9 CAL CHLOR FLAKE 50#PE BENBOW

AS REQUIRED BY THE OSHA HAZARD COMMUNICATION STANDARD, THESE PRODUCT
SAFETY DATA SHEETS WILL PROVIDE YOU WITH INFORMATION NECESSARY FOR TRAINING
ALL OF YOUR PERSONNEL WHO HANDLE, TRANSPORT OR USE THE PRODUCTS. YOUR
COOPERATION IN "CLOSING THE PRODUCT SAFETY LOOP" WITH YOUR PEOPLE IS VITAL
IF CHEMICAL PRODUCTS ARE TO BE USED IN A SAFE MANNER.

THANK YOU FOR SELECTING GENERAL CHEMICAL FOR YOUR CHEMICAL NEEDS.



CAROL BECKER
MANAGER
CUSTOMERS' SERVICE SYSTEM

* SHIPPED TO:
SYRACUSE CITY SCHOOL DISTRICT
SCHOOL SERVICE CENTER
1025 ERIE BLVD. W.
SYRACUSE, NY

13204



PRODUCT SAFETY DATA SHEET

CALCIUM CHLORIDE, FLAKE

A. GENERAL INFORMATION

TRADE NAME (COMMON NAME) FLAKE CALCIUM CHLORIDE		<input checked="" type="checkbox"/> C.A.S. NO.	<input type="checkbox"/> GENERAL PRODUCT CODE # 10043-52-4 (anh.)
CHEMICAL NAME AND/OR SYNONYM Calcium Chloride, Dihydrate			
FORMULA CaCl ₂ · 2H ₂ O		MOLECULAR WEIGHT 147.02	
ADDRESS (No., STREET, CITY, STATE AND ZIP CODE) GENERAL CHEMICAL CORPORATION 90 East Halsey Road Parsippany, N.J. 07054			
CONTACT Manager - Product Safety	PHONE NUMBER (201) 515-1840	LAST ISSUE DATE May, 1990	CURRENT ISSUE DATE September, 1994

B. FIRST AID MEASURES

EMERGENCY PHONE NUMBER (800) 631-8050	
<p>EYES: Flush promptly with plenty of water, continuing for at least 15 minutes. Get medical attention.</p> <p>INHALATION: Remove to fresh air.</p> <p>SKIN: Wash with plenty of soap and water.</p> <p>INGESTION: If conscious, immediately give 2 to 4 glasses of water, and induce vomiting by touching finger to back of throat.</p> <p>Get medical attention for irritation, ingestion, or discomfort from inhalation.</p>	

C. HAZARDS INFORMATION

HEALTH

INHALATION Dust or mist inhalation may irritate nose, throat and lungs.	
INGESTION Low in toxicity. LD ₅₀ (rat): 1.4 g/kg.* -- Reference (e). May irritate gastrointestinal tract. *anhydrous basis	
SKIN May cause skin irritation. Under conditions of prolonged contact or when moisture is present, superficial burns may result. Contact with abraded skin or cuts can cause severe necrosis.	
EYES May irritate or burn eyes.	
PERMISSIBLE CONCENTRATION: AIR (SEE SECTION J) None established by OSHA. Also, no TLV established by ACGIH.	BIOLOGICAL None.
UNUSUAL CHRONIC TOXICITY None.	

C. HAZARDS (Cont.)**FIRE AND EXPLOSION**

FLASH POINT Not Flammable <input type="checkbox"/> OPEN CUP <input type="checkbox"/> CLOSED CUP	° C	AUTO IGNITION TEMPERATURE N.A.	° C	FLAMMABLE LIMITS IN AIR (% BY VOL.) LOWER - N.A. UPPER - N.A.
UNUSUAL FIRE AND EXPLOSION HAZARDS None.				

D. PRECAUTIONS/PROCEDURES

FIRE EXTINGUISHING AGENTS RECOMMENDED N.A.
FIRE EXTINGUISHING AGENTS TO AVOID N.A.
SPECIAL FIRE FIGHTING PRECAUTIONS None.
VENTILATION Local exhaust: In packaging and unloading areas, over open processing equipment, and any other places where dusty or misty condition prevails. Natural ventilation: Adequate for other areas.
NORMAL HANDLING Avoid contact with eyes, skin, or clothing. Avoid breathing dust or mist. Use good personal hygiene and housekeeping.
STORAGE Store in a cool, dry area. Prolonged storage may cause product to cake and become wet from atmospheric moisture.
SPILL OR LEAK (ALWAYS WEAR PERSONAL PROTECTIVE EQUIPMENT - SECTION E) Shovel up dry chemical and place in metal drum with a cover. Cautiously spray residue with plenty of water.
SPECIAL: PRECAUTIONS/PROCEDURES/LABEL INSTRUCTIONS SIGNAL WORD - WARNING!

E. PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION For dusty or misty condition, wear NIOSH-approved dust or mist respirator.
EYES AND FACE For dusty or misty condition, or when handling solutions where there is reasonable probability of eye contact, wear chemical safety goggles and hat. Under these conditions, do not wear contact lenses.
HANDS, ARMS, AND BODY As a minimum, wear long-sleeve shirt and trousers, boots and gloves for routine product use. Cotton gloves permitted for dry product, impervious gloves when using solutions.
OTHER CLOTHING AND EQUIPMENT Eye-wash facility.

F. PHYSICAL DATA

MATERIAL IS (AT NORMAL CONDITIONS): <input type="checkbox"/> LIQUID <input checked="" type="checkbox"/> SOLID <input type="checkbox"/> GAS <input type="checkbox"/> _____		APPEARANCE AND ODOR Small white flakes; odorless.	
BOILING POINT	Unknown ° C	SPECIFIC GRAVITY (H ₂ O = 1)	VAPOR DENSITY (AIR = 1)
MELTING POINT	176 ° C	0.835 - Reference (b)	N.A.: water vapor only.
SOLUBILITY IN WATER (% by Weight) 42 (anhydrous) @ 20°C		pH Neutral or slightly alkaline - Reference (c)	VAPOR PRESSURE (mm Hg at 20°C) <input type="checkbox"/> (PSIG) <input type="checkbox"/> N.A.
EVAPORATION RATE (Butyl Acetate = 1) <input type="checkbox"/> (Ether = 1) <input type="checkbox"/> N.A.		% VOLATILES BY VOLUME (At 20°C) N.A.	

G. REACTIVITY DATA

STABILITY <input type="checkbox"/> UNSTABLE <input checked="" type="checkbox"/> STABLE	CONDITIONS TO AVOID N.A.
INCOMPATIBILITY (MATERIALS TO AVOID) Sulfuric acid: yields hydrogen chloride gas, which is corrosive, irritating, and reactive. Water-reactive materials, such as sodium: cause an exothermic reaction. Methyl vinyl ether: starts runaway polymerization reaction -- Reference (d). Zinc as in galvanized iron: yields hydrogen gas with solutions, which may explode under these conditions. -- Reference (d).	
HAZARDOUS DECOMPOSITION PRODUCTS None.	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID N.A.

H. HAZARDOUS INGREDIENTS (Mixtures Only)

MATERIAL OR COMPONENT / C.A.S. #	WT. %	HAZARD DATA (SEE SECT. J)
N.A.		

I. ENVIRONMENTAL

DEGRADABILITY/AQUATIC TOXICITY		OCTANOL/WATER PARTITION COEFFICIENT N.D.	
Aquatic toxicity: TLm96: over 1000 ppm (anhydrous) -- Reference (a).			
EPA HAZARDOUS SUBSTANCES (CLEAN WATER ACT SEC. 311)		IF SO REPORTABLE QUANTITY: _____ #	40 CFR 116-117
<input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO	
WASTE DISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS)			
Treatment or disposal of waste generated by use of this product should be reviewed in terms of applicable federal, state and local laws and regulations. Users are advised to consult with appropriate regulatory agencies before discharge, treatment or disposal.			
RCRA STATUS OF UNUSED MATERIAL IF DISCARDED		HAZARDOUS WASTE NUMBER: (IF APPLICABLE)	40 CFR 261
Not a "hazardous waste"			

J. REFERENCES

PERMISSIBLE CONCENTRATION REFERENCES		
None.		
REGULATORY STANDARDS	D.O.T. CLASSIFICATION: Not regulated	49 CFR 173
None.		
GENERAL		
<p>(a) NIOSH, Registry of Toxic Effects of Chemical Substances, 1979, Accession No. EV 98 00 000.</p> <p>(b) Weast, R.C. editor, CRC Handbook of Chemistry and Physics, 60th Edition, 1979-80, CRC Press, Inc., Boca Raton 33431.</p> <p>(c) Hawley, G.N., editor, Condensed Chemical Dictionary, 9th Edition, 1977, Van Nostrand Reinhold, NYC.</p> <p>(d) Bretherick, L., Handbook of Reactive Chemical Hazards, 2nd Edition, 1979, Butterworths, Boston.</p> <p>(e) General Chemical Corporation tests, unpublished. (The medium was a solution of 25 g/100 ml water.)</p>		

K. ADDITIONAL INFORMATION

None.

P808 FILE No.- GC-1002

THIS PRODUCT SAFETY DATA SHEET IS OFFERED SOLELY FOR YOUR INFORMATION, CONSIDERATION AND INVESTIGATION.

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