

HYDRITE CHEMICAL CO.
2655 N. MAYFAIR ROAD
MILWAUKEE, WI 53226

MATERIAL SAFETY DATA SHEET

CA-0077

CALCIUM CHLORIDE LOTEST 77% FLAKE

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DISTRIBUTED BY: HYDRITE CHEMICAL CO.
2655 NORTH MAYFAIR ROAD
MILWAUKEE, WI 53226
(414) 257-2300
(414) 277-1311

MSDS#:HY891CA0077XX

PREPARED BY:LMT
03/08/89

MANUFACTURED BY: Dow (Standard Tar Products)

SECTION I - PRODUCT INFORMATION

TRADE NAME: CALCIUM CHLORIDE LOTEST 77% FLAKE CHEMICAL
NAME SYNONYMS: Calcium Chloride

C.A.S. REGISTRY #: 10043-52-4
CHEMICAL FAMILY: Salt

FORMULA: CaCl₂

D.O.T. IDENTIFICATION #: N.A.

D.O.T. LABEL:N.A.

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT:	PERCENT	TLV LEVEL	PEL LEVEL
Calcium Chloride	77-79%	Not Estab.	Not Estab.

SECTION III - PHYSICAL DATA

BOILING POINT (DEG. F): 349 Decomp
FREEZING POINT (DEG.F): 345
VAPOR PRESSURE (MM HG): 1
VAPOR DENSITY (AIR=1) : N.A.
SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1.85
PERCENT VOLATILE
BY VOLUME%: N.A
EVAPORATION RATE(N.A.) : N.A.

APPEARANCE AND ODOR: White flakes. No odor.

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SECTION IV - FIRE EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): None.

FLAMMABLE LIMITS

LEL: N. A.

UEL: N. A.

EXTINGUISHING MEDIA: For fires in area use appropriate media.
For example: Water spray. Dry Chemical. Carbon Dioxide. Alcohol Foam

SPECIAL FIRE FIGHTING PROCEDURES: Evacuate area of unprotected personnel. Wear protective clothing including a NIOSH-Approved self-contained breathing apparatus. Product generates heat upon addition of water, with possible spattering. Run-off from fire control may cause pollution.

UNUSUAL FIRE EXPLOSION HAZARDS:

None.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not Established (OSHA 29 CFR 1910.Z-1-A)
Not Established (ACGIH 1988-89)
Manufacturer recommends exposure limit of an 8-hour TWA of 10 mg/m³ as a guide.

EFFECTS OF OVEREXPOSURE

EYE CONTACT: Severely irritating to eyes. Avoid prolonged or repeated overexposure. Permanent eye damage may result.

SKIN CONTACT: May cause severe irritation and possibly a mild burn.

INHALATION: Inhalation causes coughing and irritation of nose, throat, and mucous membranes. Causes irritation of the respiratory tract.

INGESTION: May cause moderate irritation of the nasal, throat, respiratory passages and mouth esophagus, and upper digestive tract. Large amounts may be fatal.

OTHER:

ROUTES OF EXPOSURE: Product can affect the body if

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SECTION V - HEALTH HAZARD DATA

it is inhaled, comes in contact with the eyes or skin, or is swallowed.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during this flushing with water. Call a physician immediately.

SKIN CONTACT: Flush area with water while removing contaminated clothing and shoes. Follow by washing with soap and water. Do not reuse clothing or shoes until cleaned. If irritation persists, get medical attention. Do not apply oils or ointments unless ordered by the physician.

INGESTION: If conscious, give large amounts of water, then induce vomiting by touching back of throat with finger. Keep head below hips to prevent aspiration of liquid into lungs. CALL A PHYSICIAN immediately. NEVER induce vomiting or give anything by mouth to an unconscious victim. Several glasses of milk or several ounces of milk of magnesia may be given for their soothing effect.

INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. CALL A PHYSICIAN.

SECTION VI - REACTIVITY DATA I

STABILITY: -X-STABLE UNSTABLE

CONDITIONS TO AVOID: HYGROSCOPIC MATERIAL. Avoid contact with moisture. Contact with water may cause violent reaction with evolution of heat. To dilute: Add product slowly to lukewarm water; not water to product.

INCOMPATABILITY: Metals will slowly corrode in aqueous solution. Aluminum (and its alloys) and yellow brass will be attacked.

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SECTION VIII - SPECIAL PROTECTION INFORMATION

apron. Chemical safety shoes. Protective clothing.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

HYGROSCOPIC MATERIAL. Avoid contact with moisture. Store in closed containers. Store away from incompatible materials. Do not store in unlabeled or mislabeled containers.

OTHER PRECAUTIONS: Avoid contact with skin and eyes. Do not swallow. Avoid dust or mist formation. Use with adequate ventilation. Avoid breathing mists or dusts. Wash thoroughly after handling. Do not eat, drink, or smoke in work area.

SECTION X - SUPPLEMENTAL HEALTH INFORMATION

CARCINOGEN CONTENT

% PPM	INGREDIENT	IARC	NTP	OSHA
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NOTE : This product does not contain greater than 0.1% of the known or potential carcinogens listed in NTP, IARC, or OSHA.

LD50 ORAL : Rat: 1090 - 1688 m/kg

LD50 SKIN : Rabbits: > 5000 mg/kg

LC50 INHALATION : No Data

The data in this Material Safety Data Sheet relates only to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be