

MATERIAL SAFETY DATA SHEET

Calcium Chloride Liquid 30-37%

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME Calcium chloride solution 30 - 35%		CLASSIFICATION WHMIS: Not controlled PACKING GROUP: PRIMARY TDG: Not regulated	
SUPPLIER NAME AND ADDRESS MeltSnow.com Chemical Solutions, Inc., P. O. Box 675, Franklin, MA 02038		EMERG. PHONE # (508) 520-3900	
CHEMICAL NAME Calcium chloride solution	CHEMICAL FAMILY/FAMILLE CHIMIQUE	CHEMICAL FORMULA/ CaCl ₂	
TRADE NAME & SYNONYMS/ Liquid Calcium chloride	MOLECULAR WEIGHT/	MATERIAL USE/ De-icing, Dust control	

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY/	CONCENTRATION%	CAS#/ N° CAS	PIN #/ N° PIN	LD ₅₀ /DL ₅₀ Rat Oral	LC ₅₀ /CL ₅₀
Calcium chloride Water	30 - 35% 65 - 70%	10043-52-4 7789-20-0		>5000mg/kg	

SECTION III - PHYSICAL DATA

PHYSICAL STATE liquid	ODOR & APPEARANCE Dark brown liquid
ODOR THRESHOLD/ (PPM) n/a	SPECIFIC GRAVITY/D 1.30-1.33 @ 25C
VAPOR PRESSURE/ (MM) n/a	VAPOR DENSITY/ (AIR=1) n/a
FREEZING POINT (°C) n/a	SOLUBILITY IN WATER/ (20 °C) soluble in water
% VOLATILE n/a	pH 3.0 - 4.0
COEFFICIENT OF WATER/OIL DISTRIBUTION n/a	

SECTION IV - FIRE & EXPLOSION HAZARD/

FLAMMABILITY no	IF YES UNDER WHAT CONDITIONS
MEANS OF EXTINGUISHING n/a	SPECIAL PROCEDURES none
FLASH POINT (°C) & METHOD n/a	UPPER EXPLOSION LIMIT (% BY VOLUME) none
LOWER EXPLOSION LIMIT (% BY VOLUME) none	AUTO IGNITION TEMPERATURE (°C) n/a
SENSITIVITY TO MECHANICAL IMPACT/S not sensitive	SENSITIVITY TO STATIC DISCHARGE None

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY yes	IF NO UNDER WHAT CONDITIONS?
INCOMPATIBILITY TO OTHER SUBSTANCES Yes	IF SO, WHICH ONES Corrosive to some metals such as brass, mild steel, aluminum or Ferrous metals
REACTIVITY UNDER WHAT CONDITIONS n/a	HAZARDOUS DECOMPOSITION PRODUCTS none

SECTION VI - HEALTH HAZARDS

ROUTE OF ENTRY Ingestion, inhalation	
EFFECT OF ACUTE EXPOSURE TO MATERIAL may cause irritation of eyes, skin, respiratory tract	
EFFECT OF CHRONIC EXPOSURE TO MATERIAL None known	
EXPOSURE LIMITS	SYNERGISTIC MATERIALS None
IRRITANCY OF MATERIAL moderate to severe irritant	SENSITIVITY OF MATERIAL/ does not occur
SECTION VI - HEALTH HAZARDS	
CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY none	

SECTION VII - PREVENTATIVES MEASURES

PERSONAL PROTECTIVE EQUIPMENT/ MATÉRIEL PERSONNEL DE PROTECTION	GLOVES/ rubber gloves	EYE/ Safety goggles	RESPIRATORY/ none	OTHER Long sleeved shirt, rubber boots
ENGINEERING CONTROLS (EG VENTILATION), SPECIFY/ No special controls				
LEAK AND SPILL PROCEDURE Flush area with water				
WASTE DISPOSAL Dispose of material in government approved landfill site in accordance with local laws				
HANDLING PROCEDURES & EQUIPMENTS Wash skin and equipment with water				
STORAGE REQUIREMENTS Keep out of reach of children				
SPECIAL SHIPPING INFORMATION no special shipping procedures necessary				

SECTION VIII - FIRST AID MEASURES

INHALATION: Remove to fresh air if effects occur
INGESTION: Do not induce vomiting. Give large amounts of water or milk. Seek medical attention immediately
EYE CONTACT/CONTACT YEUX: Immediately flush eyes with water for 15 minutes, seek medical attention
SKIN CONTACT/CONTACT PEAU: Wash off in flowing water or shower.

SECTION IX - PREPARATION DATE OF MSDS

PREPARED BY Chemical Solutions, Inc. IO gnUpqy @qo	TELEPHONE #/ (508) 520-3900	PREP. DATE March 24, 2004	SUPERSEDES November, 2005
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