

# Calcium Chloride Solid



This MSDS complies with the style format specified by ANSI Z400 1-1993

606148 Part# FG30K  
ABSORBER,MOISTURE,REFILL#FG30K  
2770 DAMP RID 8P  
Buyer: Linda J. Kosakowski

## SECTION 1: CHEMICAL PRODUCT - COMPANY IDENTIFICATION

**DampRid, Inc.**  
7701 Southland Blvd. Suite 301  
Orlando, FL 32809

(407) 851-6752  
(888) 326-7743

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**(800) 424-9300**  
**(800) 222-1222**

**CHEMTREC (24-Hour Emergency Response)**  
**POISON CONTROL**

**SUBSTANCE:** Calcium Chloride  
**TRADE NAMES/SYNONYMS:** DampRid®, Day Saver Ice Enemy®  
**CHEMICAL FAMILY:** Inorganic Salt  
**MSDS CREATION DATE:** 07 FEB 94  
**MSDS REVISION DATE:** 29 JAN 03

## SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	RTECS NUMBER	PERCENTAGE
Calcium Chloride	10043-52-4	EV9800000	74 - 100%

**PROBABLE CONTAMINANTS:** Calcium Carbonate, Calcium Hydroxide, Calcium Oxide, Alkali Metal Chlorides, Alkaline Earth Metal Chlorides

## SECTION 3: HAZARDS IDENTIFICATION

**NFPA RATINGS:** (SCALE 0-4): HEALTH - 1 FIRE - 0 REACTIVITY - 1  
**EMERGENCY OVERVIEW:** Odorless, white pellets/flake. Causes eye irritation. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Wash thoroughly after handling. Reacts with water to liberate heat.  
**POTENTIAL HEALTH EFFECTS:**  
**INHALATION, SKIN CONTACT, EYE CONTACT:** May cause irritation  
**INGESTION:** May cause nausea.

## SECTION 4: FIRST AID MEASURES

**INHALATION:** Remove from exposure area to fresh air.  
**SKIN CONTACT:** Remove contaminated clothing and shoes. Wash affected area with soap or mild detergent.  
**EYE CONTACT:** Flush eyes with large amounts of water or normal saline solution.  
**INGESTION:** Get medical attention.

## SECTION 5: FIRE FIGHTING MEASURES

**FIRE AND EXPLOSION HAZARD:** Negligible fire hazard when exposed to heat or flame.  
**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, water spray or regular foam. For larger fires, use water spray, fog or regular foam (1996 North American Emergency Response Guidebook, RSPA P 5800.7).  
**FIREFIGHTING:** Move container(s) from fire area if you can without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Extinguish fire using agent suitable for type of surrounding fire and/or chemicals. Do not use water directly on material. Avoid breathing corrosive vapors; keep upwind. Dike area to prevent runoff and contamination of water sources.  
**HAZARDOUS COMBUSTION PRODUCTS:** Not applicable.

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**OCCUPATIONAL SPILL:** For dry spills place material in covered, clean, dry container for disposal.

## **SECTION 7: HANDLING AND STORAGE**

Observe all federal, state and local regulations when storing this product. Store in a tightly closed container. Store away from incompatible materials.

## **SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION**

<b>EXPOSURE LIMITS:</b>	No occupational exposure limits established by OSHA/ACGIH/NIOSH.
<b>VENTILATION:</b>	Provide local exhaust ventilation system.
<b>EYE PROTECTION:</b>	Wear safety glasses with splash shields or safety goggles/shield.
<b>CLOTHING:</b>	Wear appropriate protective (impervious) clothing.
<b>GLOVES:</b>	Wear appropriate protective gloves.
<b>RESPIRATOR:</b>	A respirator is not indicated under normal operating conditions. Use of a NIOSH approved respirator should be based upon the presence of nuisance dust. When warranted, use a face mask particulate respirator with a NIOSH N95 rating such as Moldex 2800N95, MSA 816581 or 3M 8576PN5 or equivalent.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>DESCRIPTION:</b>	Odorless, white pellets/flake
<b>FORMULA:</b>	$\text{CaCl}_2 \cdot n\text{H}_2\text{O}$ n = 0.0 – 2.2
<b>MOLECULAR WEIGHT:</b>	111.0 – 150.0
<b>MELTING POINT:</b>	369°F (187°C) - 1424°F (773°C)
<b>SPECIFIC GRAVITY:</b>	2.15 @ 77°F (25°C)
<b>WATER SOLUBILITY:</b>	40% @ 68°F (20°C) with evolution of heat
<b>SOLVENT SOLUBILITY:</b>	Soluble in alcohol, acetic acid and acetone

## **SECTION 10: STABILITY AND REACTIVITY**

<b>REACTIVITY:</b>	Reacts exothermically with water.
<b>INCOMPATIBILITIES:</b>	Strong oxidizing agents.
<b>HAZARDOUS DECOMPOSITION:</b>	None, under normal conditions.
<b>POLYMERIZATION:</b>	Does not occur under normal temperatures and pressures.
<b>CONDITIONS TO AVOID:</b>	None

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **TOXICITY DATA: (ANHYDROUS CALCIUM CHLORIDE)**

	TD <sub>LO</sub> : 112g/kg, oral, 20 weeks, rat
	LD <sub>LO</sub> : 274 mg/kg, subcutaneous, dog
	LD <sub>50</sub> : 1000 mg/kg, oral, rat
	LD <sub>50</sub> : 264 mg/kg, intraperitoneal, rat
	Mutagenic data and tumorigenic data-see Registry of Toxic Effects of Chemical Substances (RTECS) file.
<b>CARCINOGEN STATUS:</b>	None.
<b>LOCAL EFFECTS:</b>	Eye, mucous membrane and skin irritant.
<b>ACUTE TOXICITY LEVEL:</b>	Moderately toxic by ingestion, slightly toxic by dermal absorption.

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## **SECTION 12: ECOLOGICAL INFORMATION**

DEGRADABILITY: Product will not biodegrade or bioaccumulate.

## **SECTION 13: DISPOSAL INFORMATION**

Observe all federal, state and local regulations when disposing of this substance.

## **SECTION 14: TRANSPORT INFORMATION**

DOT Shipping Name-ID Number: Non-regulated.

## **SECTION 15: REGULATORY INFORMATION**

TSCA STATUS:	Yes
OTHER TSCA ISSUES:	None
SARA 311 CLASSIFICATION:	Acute Hazard Reactivity Hazard
DSL STATUS:	Yes
EINECS STATUS	Yes
CALIFORNIA PROPOSITION 65:	No ingredients found on the Propositions 65 list

## **SECTION 16: OTHER INFORMATION**

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific product designated and may not be valid for such product used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the users' responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

TETRA Technologies, Inc. reserves the right to refuse shipment of this product to any consumer who fails to demonstrate the ability to consistently handle and use it safely and in compliance with all applicable laws, rules and regulations. Such demonstration may require on-site inspection of any or all storage, processing, packaging and other handling systems that come in contact with it.

Customers are responsible for compliance with local, state and federal regulations that may be pertinent in the storage, application and disposal of this product.