



## Material Safety Data Sheet

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

### SECTION 1: CHEMICAL PRODUCT - COMPANY IDENTIFICATION

**Damp Rid, Inc.**  
7701 Southland Blvd.  
Orlando, Florida 32809  
(407)851-6230  
(800)621-2943

**(800) 424-9300 - CHEMTREC (24 Hour Emergency Response)**

**PRODUCT:** Damp Rid® *F603*  
**DAMP RID PRODUCT CODE:** FG01, FG02, FG23, FG30, FG42, FG45, FG60, FG80, FG83, FG100  
**TRADE NAMES/SYNONYMS:** Damp Rid®  
**CHEMICAL FAMILY:** Inorganic Salt  
**MSDS CREATION DATE:** 30 ARP 93  
**MSDS REVISION DATE:** 29 NOV 00

### SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

**COMPONENTS:** Calcium Chloride, Sodium Chloride, Potassium Chloride, Water  
**CAS NUMBER:** 10043-52-4 (Calcium Chloride), 7647-14-5 (Sodium Chloride), 7447-40-7 (Potassium Chloride), 7732-18-5 (Water)  
**PERCENTAGE:**

Calcium Chloride	77 – 80%
Sodium Chloride	1 – 2%
Potassium Chloride	2 – 3%
Water	15 - 20%

### SECTION 3: HAZARDS IDENTIFICATION

**NFPA RATINGS:** (SCALE 0-4): HEALTH=1, FIRE=0, REACTIVITY=1

**EMERGENCY OVERVIEW:** Colorless to white, deliquescent crystals. Odorless. May cause skin burns and respiratory tract and eye irritation. Do not get in eyes, on skin or on clothing. May be harmful if swallowed. Reacts with water to liberate heat.

#### **POTENTIAL HEALTH EFFECTS:**

##### **INHALATION:**

**Short Term Effects:** May cause irritation.



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**Long Term Effects:** Same effects as short term exposure.

**SKIN CONTACT:**

**Short Term Effects:** May cause irritation.

**Long Term Effects:** Same effects as short term exposure.

**EYE CONTACT:**

**Short Term Effects:** May cause irritation. Additional effects may include tearing.

**Long Term Effects:** Same effects as short term exposure.

**INGESTION:**

**Short Term Effects:** May cause nausea.

**Long Term Effects:** No information available on significant adverse effects.

**CARCINOGEN STATUS:**

**OSHA:** No **NTP:** No **IARC:** No

### SECTION 4: FIRST AID MEASURES

**INHALATION:** Remove from exposure area to fresh air immediately. Treat symptomatically and supportively. If required, get medical attention immediately.

**SKIN CONTACT:** Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). If required, get medical attention immediately.

**EYE CONTACT:** Flush eyes immediately with large amounts of water or normal saline solution, occasionally lifting upper and lower lids until no evidence of chemical remains (approximately 15-20 minutes). If required, get medical attention immediately.

**INGESTION:** Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration.

**NOTE TO PHYSICIAN: Antidote:**

No specific antidote. Treat symptomatically and supportively.

### SECTION 5: FIRE FIGHTING MEASURES

**FIRE HAZARD:** Not Applicable.

**FIREFIGHTING:** Extinguish fire using agent suitable for type of surrounding fire and/or chemicals.

**HAZARDOUS COMBUSTION PRODUCTS:** Product generates heat upon addition of water, with possible spattering. Product may react with some metals (aluminum, zinc, tin, etc.).



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### SECTION 6: ACCIDENTAL RELEASE MEASURES

In case of spill, soak up liquid with a damp sponge or towel. Small quantities may be flushed away with plenty of water. For spills deep in carpet, soak with water, press dry with a towel. Repeat if necessary. Wash or dry clean fabrics as usual. Walking surfaces may remain wet longer due to moisture being held by spilled product.

### SECTION 7: HANDLING AND STORAGE

Wash after handling. When handling, control dust and loose flakes by filling DAMP RID® containers over a sink. When exposed to the atmosphere, calcium chloride solution will be formed which can damage leather items such as shoes, handbags and fur coats. Avoid using product in a manner where accidental contact with these materials may occur. For storage of unused flakes, seal container and place in a cool, dry area.

### SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

**EXPOSURE LIMITS:** No occupational exposure limits established by OSHA/ACGIH/NIOSH.  
**VENTILATION:** No special ventilation is required.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**DESCRIPTION:** Colorless to White, deliquescent crystals.  
**FORMULA:**  $\text{CaCl}_2$   
**MOLECULAR WEIGHT:** 110.99  
**MELTING POINT:** 345°F (>174°C)  
**SPECIFIC GRAVITY:** 1.85 @ 77°F (25°C)  
**WATER SOLUBILITY:** 40% @ 68°F (20°C) with evolution of heat  
**SOLVENT SOLUBILITY:** Soluble in alcohol, acetic acid and acetone

### SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** Liberates heat with water.  
**INCOMPATIBILITIES:** Calcium Chloride will corrode most metals exposed to air; attack aluminum (and its alloys) and yellow brass.  
**HAZARDOUS DECOMPOSITION:** Thermal decomposition products may include toxic and corrosive fumes of chlorine.



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**POLYMERIZATION:** Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

### **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.

**CARCINOGEN STATUS:** None.

**LOCAL EFFECTS:** Calcium Chloride is an eye, mucous membrane and skin irritant.

**ACUTE TOXICITY LEVEL:** Moderately toxic by ingestion, slightly toxic by dermal absorption.

**TARGET EFFECTS:** No data available.

#### **INHALATION:**

**Acute Exposure:** Inhalation of dust may cause irritation with coughing and shortness of breath.

**Chronic Exposure:** Same as acute exposure.

#### **SKIN CONTACT:**

**Acute Exposure:** Single, short exposure not likely to cause significant skin irritation. However, direct contact with dust or solutions may cause severe irritation. The degree of irritation depends on the concentration and duration of contact.

**Chronic Exposure:** Same as acute exposure.

#### **EYE CONTACT:**

**Acute Exposure:** Direct contact may cause irritation.

**Chronic Exposure:** Repeated or prolonged exposure may result in conjunctivitis.

#### **INGESTION:**

**Acute Exposure:** May cause abdominal spasms and nausea. Overdose may cause gastrointestinal tract or cardiovascular irregularities.

**Chronic Exposure:** No adverse effects have been reported from its use as a food additive.

### **SECTION 12: ECOLOGICAL INFORMATION**

**ENVIRONMENTAL IMPACT RATING (0-4):** No data available.

**ACUTE AQUATIC TOXICITY:** No data available.

**DEGRADABILITY:** No data available.

**LOG BIOCONCENTRATION FACTOR (BCF):** No data available.



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LOG OCTANOL/WATER PARTITION COEFFICIENT: No data available.

### 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
	DSL STATUS:	Yes
	EINECS STATUS:	Yes
40 CFR 302.4	CERCLA SECTION 103:	No
40 CFR 355.30	SARA SECTION 302:	No
40 CFR 355.40	SARA SECTION 304:	No
40 CFR 372.65	SARA SECTION 313:	No
29 CFR 1910.119	OSHA Process Safety:	No
	California Proposition 65	No
40 CFR 370.21	SARA HAZARD CATEGORIES, SARA SECTIONS 311.312	
	ACUTE HAZARD:	Yes
	CHRONIC HAZARD:	No
	FIRE HAZARD:	No
	REACTIVITY HAZARD:	Yes
	SUDDEN RELEASE HAZARD:	No

### SECTION 16: OTHER INFORMATION

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



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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 user's 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.

Damp Rid, Incorporated 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.