

MATERIAL SAFETY DATA SHEET



DRI-IT MOISTURE ABSORBER

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Substance key: SCICONTDRI2

Revision Date: 05/30/2013

Version : 1 - 0 / USA

Date of printing :06/03/2013

Section 01 - Product and company identification

SUPPLIER/MANUFACTURER	
Dri-It, Inc. 11880 Old FM 2243 West Leander, TX 78641 Customer Service: 512-260-7808	Clariant Corporation 4000 Monroe Road Charlotte, NC, 28205 Telephone No.: 704-331-7000
Emergency tel. number: +1 800-424-9300(CHEMTREC)	

Trade name:	DRI-IT
Material number:	254211
Primary product use:	Adsorbing medium for technical applications
Primary product use:	Catalyst
Chemical family:	Dehumidifying Agent

Section 02 - Hazards identification

Emergency overview:	Dehumidifying package, size and type vary. There are little or no health hazards associated with intact packaged desiccant. However, health hazards do exist as a result of the dusts generated if the container is cut, split or otherwise compromised. Breathing dust may irritate nose, throat and lungs. Dust can be irritating to eyes and skin.
Expected Route of entry:	
Inhalation:	Route of exposure unlikely Inhalation of package contents may cause irritation.
Skin contact:	Route of exposure unlikely. Prolonged or repeated contact with package contents may cause irritation.
Eye contact:	Route of exposure unlikely. Rubbing eyes after handling material may cause irritation. Use of proper chemical hygiene should prevent exposure.
Ingestion:	Route of exposure unlikely. Ingestion of large quantities may cause stomach and intestinal distress.
Skin absorption:	Route of exposure unlikely.
Health effects of exposure:	Calcium chloride (CaCl ₂) (10043-52-4) Inhalation of dust may irritate nose, throat and lungs. Ingestion toxicity is low but more toxic than sodium chloride. May irritate gastrointestinal tract. May cause skin irritation. Prolonged contact or presence of moisture may cause superficial burns. Contact with abraded skin or

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cuts can cause severe necrosis. May irritate or burn eyes. No further effects are known.

Amylopectin, hydrogen phosphate, 2-hydroxypropyl ether (113894-92-1)
Hydroxypropyl starch phosphate: May cause eye and respiratory tract irritation.
Material in powder form is capable of creating a dust explosion.

Known effects on other illnesses: No known effects on other illnesses for this product.
Listed carcinogen: IARC: No
NTP: No
OSHA: No
Other: No

HMIS:

Health: 1 Flammability: 0 Reactivity: 1

Section 03 - Composition/information on ingredients

Hazardous ingredients:

Component	CAS-no. (Trade secret no.)	Concentration
Calcium Chloride	10043-52-4	> 1 %
Amylopectin, phosphate, 2-hydroxypropyl ether	113894-92-1	> 1 %

Section 04 - First aid measures

After inhalation:

Remove victim to fresh air.
Consult physician if irritation or other symptoms occur.

After contact with skin:

Brush dry material from skin.
Wash area with mild soap and copious amounts of water.
Consult physician if irritation occurs or if irritation is extensive.

After contact with eyes:

Immediately flush eyes with running water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek prompt medical attention if redness or irritation occurs.

After ingestion:

Encourage patient to drink water. If patient feels unwell, call your local Poison Control Center (1-800-222-1222 in the U.S.).

Advice to doctor / Treatment:

Treat the patient symptomatically.

Section 05 - Fire fighting measures

Flashpoint: Material is not flammable.

Lower explosion limit: Not applicable

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- Upper explosion limit:** Not applicable
- Hazardous combustion products:**
In case of fires, hazardous combustion gases are formed:
Chlorine (Cl₂)
- Extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special fire fighting procedure:**
Wear full protective clothing and NIOSH/MSHA-approved positive pressure, self-contained breathing apparatus.
- Unusual fire and explosion hazards:** None known.

Section 06 - Accidental release measures

- Steps to be taken in case of spill or leak:**
Wet packages may swell and burst. Provide enough container space to allow for swelling. Product packages may generate heat upon contact with water or moisture. Store wet or contaminated product packages away from flammable materials. Avoid contact with eyes, skin and clothing.
Scoop into suitable containers appropriate for either recovery or disposal to avoid exposure and to comply with applicable waste disposal regulations.
Refer to Section 8 for more information.

Section 07 - Handling and storage

- Advice on safe handling:**
Use of proper hygiene practices in the work place is recommended.
- Further info on storage conditions:**
Store in a dry area.

Section 08 - Exposure controls / personal protection

- All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is 5 mg/m³ for respirable fraction and 15 mg/m³ for total dust. ACGIH exposure guidelines of less than 3 mg/m³ (respirable) and 10 mg/m³ (inhalable) have been established for particles (insoluble/poorly soluble) not otherwise specified (PNOS).
- Respiratory protection:** Good general ventilation should be sufficient to control airbourne levels.
- Hand protection:** Impervious rubber such as neoprene, nitrile, natural rubber, butyl rubber, PVC, or teflon.
- Eye protection:** Follow facility guidelines in the absence of dusts. Snug-fitting goggles should be worn in dusty work environments.

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Other protective equipment: Wear protective clothing, including long sleeves and gloves, to prevent skin contact.
Thoroughly wash clothing before reuse.
Use of proper hygiene practices in the workplace is recommended.

Advice on system design: Good general ventilation should be sufficient to control airborne levels.

IDLH:

None For This Product

Section 09 - Physical and chemical properties

Form: Solid form
Color: Various, depending on coloration
Odor: none
Odor limit: not available
pH: 7 - 9
Solubility in water: soluble
Density: not determined
Melting point : not determined
Boiling point : not determined
Evaporation number: Not available.
Vapor pressure: not determined
Bulk density: not determined
Relative vapor density: not determined
Partitioning coef. octanol/water: no data available
Loss on drying: Not Volatile

Section 10 - Stability and reactivity

Chemical stability: Stable.
Hazardous Polymerization: Will not occur.
Conditions to avoid: None known.
Conditions to avoid: By dilution or solution in water, it can get hot.
Contact with water or moisture

Section 11 - Toxicological information

Product information:
Acute oral toxicity: No data available.

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Acute inhalation toxicity: no data available

Acute dermal toxicity: no data available

Component information:

Calcium chloride (CaCl₂) (10043-52-4)

Acute oral toxicity: LD50 2,301 mg/kg (rat)
Method: OECD Test Guideline 401

Acute dermal toxicity: LD50 > 5,000 mg/kg (rabbit)

Section 12 - Ecological information

Product information:

Biodegradation: no data available

Fish toxicity: No data available.

Daphnia toxicity: No data available.

Algae toxicity: No data available.

Bacteria toxicity: no data available

Component information:

Calcium chloride (CaCl₂) (10043-52-4)

Fish toxicity: LC50 4,630 mg/l (96 h, Pimephales promelas (fathead minnow))

Daphnia toxicity: LC50 2,400 mg/l (48 h, Daphnia magna (Water flea))
Method: OECD Test Guideline 202

Algae toxicity: EC50 2,900 mg/l (72 h, Selenastrum capricornutum (fresh water algae))
Method: OECD Test Guideline 201

Algae toxicity: NOEC 1,000 mg/l (72 h, Selenastrum capricornutum (fresh water algae))
Method: OECD Test Guideline 201

Remarks:

No other adverse effects are identified.

Section 13 - Disposal considerations

Waste disposal information:

This product, if discarded as sold, is not a Federal RCRA hazardous waste. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

RCRA hazardous waste:

No -- Not as sold.
RCRA number: NONE

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Section 14 - Transport information

DOT	not restricted
IATA	not restricted
IMDG	not restricted

Section 15 - Regulatory information

TSCA Status:

All components of this product are listed or excluded from listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) Inventory.

SARA (section 311/312):

Reactive hazard:	no
Pressure hazard:	no
Fire hazard:	no
Immediate/acute:	yes
Delayed/chronic:	no

SARA 313 information:

This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

Clean Water Act:

Contains no known priority pollutants at concentrations greater than 0.1%.

CERCLA information:

Does not contain ingredient(s) listed under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), 40 CFR 302.

Section 16 - Other information

State regulatory information:

This product does not contain chemical(s) known to the state of California to cause cancer, birth defects, or reproductive harm.

Label information:

WARNING!

Packets or canisters may pose a choking hazard. Keep away from children and pets. Poses little or no immediate threat. Material is contained in a pouch, bag or canister.

Avoid breathing dust. Avoid contact with eyes, skin and clothing. Avoid ingestion. Keep container closed. Prior to handling this product, please refer to the current MSDS for recommended protective equipment and detailed hazard and precautionary information.

INHALATION: If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention. Get medical attention if cough and other symptoms develop.

INGESTION: If swallowed, call your local Poison Control Center (1-800-222-1222 in the U.S.) **EYE CONTACT,** immediately flush eyes with plenty of water for at least 15

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minutes. SKIN: Wash contacted skin with soap and water. Get medical attention if symptoms occur.

NFPA:

Health: 1

Flammability: 0

Reactivity: 1

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.