

MATERIAL SAFETY DATA SHEET

SÜD-CHEMIE
Creating Performance Technology



Date Issued: 05/31/2002
MSDS No: 5002
Date-Revised: 03/15/2010
Revision No: 3

Container Dri® II

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Container Dri® II
GENERAL USE: Dehumidifying agent.

MANUFACTURER

Süd-Chemie Performance Packaging
101 Christine Drive
Rio Grande Industrial Park
Belen NM 87002
Customer Service: 505-864-6691

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC : (800) 424 - 9300
Outside the U.S. Call Collect : 001 (703) 527-3887

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Dehumidifying package, size and type vary.

IMMEDIATE CONCERNS: 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.

POTENTIAL HEALTH EFFECTS

EYES: Route of exposure unlikely. Rubbing eyes after handling product may cause irritation. Use of proper chemical hygiene should prevent exposure.

SKIN: Route of exposure unlikely. Prolonged or repeated contact with package contents may cause irritation.

INGESTION: Route of exposure unlikely. Ingestion of large quantities may cause stomach and intestinal distress.

INHALATION: Route of exposure unlikely. Inhalation of package contents may cause irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Redness, burning sensation, tearing (watering) of the eyes.

SKIN: May cause skin irritation, redness and blistering especially on wet skin. Effects more likely on unprotected skin that is moist from perspiration, humidity, or rain.

INGESTION: Burning, irritation, upset stomach, intestinal distress.

INHALATION: Irritation of nose, throat and upper respiratory tract.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS	% BY WEIGHT
Calcium chloride	10043-52-4	Proprietary
Starch	113894-92-1	Proprietary

See Section 8 for Exposure Limits

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Brush dry material from skin. Wash with soap and large amounts of water. Get medical attention if irritation or other symptoms develop or persist.

INGESTION: Encourage patient to drink water. If patient feels unwell, call your local Poison Control Center (1-800-222-1222 in the U.S.). Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. Seek medical attention if cough or other symptoms develop or persist.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Material is not flammable

EXTINGUISHING MEDIA: Use extinguishing agent applicable to surrounding fire.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus operated in pressure-demand mode, (NIOSH approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, toxic chlorine fumes are emitted.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: With shovel or scoop, place material into clean, dry container.

LARGE SPILL: Use same methods described for small spills unless product packages have become wet or contaminated. 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.

SPECIAL PROTECTIVE EQUIPMENT: Refer to Section 8, Exposure Control/Personal Protection.

7. HANDLING AND STORAGE

HANDLING: Use of proper hygiene practices in the workplace is recommended.

STORAGE: Keep container tightly closed when not in use. Product may absorb moisture from air. Keep container dry.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

HAZARDOUS COMPONENTS					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Calcium chloride	TWA	[1]	[1]	[1]	[1]
Starch	TWA	[1]	[1]	[1]	[1]
OSHA TABLE COMMENTS:					
1. Exposure limits not established.					

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Follow facility guidelines in the absence of dusts. Snug-fitting goggles should be worn in dusty work environments.

SKIN: Use of proper hygiene practices in the workplace is recommended.

RESPIRATORY: Good general ventilation should be sufficient to control airborne levels.

COMMENTS: There are no Personal Exposure Limits (PELs) for any product component. However, 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: None

pH: 7 to 9 aqueous solution

PERCENT VOLATILE: None

SOLUBILITY IN WATER: Soluble, exothermic

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: A rise in temperature may result from contact with water or solutions, liquids, or fluids containing liquids. Store in original container. Keep container tightly closed and dry.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
Calcium chloride	3798 to 4179 mg/kg (rat)	> 5000 mg/kg (rabbit)

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Calcium chloride	Not listed.	Not listed.	Not listed.
Starch	Not listed.	Not listed.	Not listed.

12. ECOLOGICAL INFORMATION**ECOTOXICOLOGICAL INFORMATION:**

Aquatic Toxicity (Calcium Chloride):

96-hr EC₅₀ (T. tubifex) = 281,190 ug/L

48-hr EC₅₀ (T. tubifex) = 389,050 ug/L

24-hr LC₅₀ (T. tubifex) = 814,400 ug/L

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: 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.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Not regulated

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not regulated

AIR (ICAO/IATA)

SHIPPING NAME: Not regulated

VESSEL (IMO/IMDG)

SHIPPING NAME: Not regulated

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not regulated

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No
313 REPORTABLE INGREDIENTS: Not listed.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All components are listed on the TSCA Inventory or are excluded or exempt.

REGULATIONS

STATE REGULATIONS: California

CALIFORNIA PROPOSITION 65: This product does not contain chemical(s) known to the state of California to cause cancer, birth defects, or reproductive harm.

RCRA STATUS: 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.

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Toxic
D2B

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

CANADA INGREDIENT DISCLOSURE LIST: Contains component(s) listed on the Canadian Hazardous Products Act Ingredient Disclosure List.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All ingredients are listed on the Canadian Domestic Substances List inventory.

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION



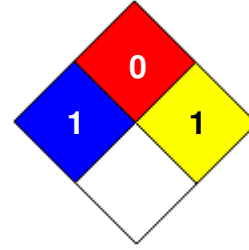
"Xi" - Irritant
R36

16. OTHER INFORMATION

APPROVED BY: Prepared and Approved by SHE Dept. Sud-Chemie Inc

REVISION SUMMARY: Revision #: 3. This MSDS replaces the March 28, 2007 MSDS. , , , , , , Any changes in information are as follows: In Section 2: Signs & Symptoms - Eyes, Signs & Symptoms - Skin In Section 4: Firstaid - Skin In Section 6: Small Spill, Large Spill, Special Protective Equipment In Section 7: Storage In Section 8: Eyes-Face Protection In Section 9: (pH) (From), (Group Field) for Percent Volatile In Section 14: International (IMO /IMDG) - Proper Shipping Name, Air (IATA /ICAO) - Proper Shipping Name, TDG Proper Shipping Name, ADR/RID (Transport by Road and Rail) - Shipping Name In Section 15: EEC Symbol Id., WHMIS Class, CANADA Ingredient Disclosure List, EEC Risk Phrase Codes

NFPA CODES



MANUFACTURER DISCLAIMER: The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.