

MATERIAL SAFETY DATA SHEET



Date Issued: 07/12/2004
MSDS No: 5009
Date-Revised: 07/30/2007
Revision No: 1

2-in-1®

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 2-in-1®
GENERAL USE: Desiccant

MANUFACTURER

Süd-Chemie Performance Packaging
 101 Christine Drive
 Rio Grande Industrial Park
 Belen NM 87002
Service Number: 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: Performance packaging product, size and type vary.

IMMEDIATE CONCERNS: Poses little or no immediate hazard.

POTENTIAL HEALTH EFFECTS

EYES: Route of exposure unlikely. Dust may cause a mechanical irritation which can scratch the eye.

SKIN: No adverse effects expected.

INGESTION: Non-toxic by ingestion.

INHALATION: No adverse effects expected.

TARGET ORGAN STATEMENT: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS	% BY WEIGHT
Pouch, Bag, Canister, Stopper or Cap		1 - 75
Silica Gel	63231-67-4	15 - 90
Carbon, activated	7440-44-0	10 - 50

See Section 8 for Exposure Limits

WHMIS CLASS: Does not meet classification criteria pursuant to the Canadian Hazardous Products Act.

COMMENTS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. FIRST AID MEASURES

EYES: Do not rub eyes. Flush with lukewarm, gently flowing water for 5 minutes or until the particle/dust is removed, while holding the eyelid(s) open. Obtain medical attention.

SKIN: Wash with soap and water.

INGESTION: Normally not needed. If large quantities are ingested, call your local Poison Control Center (1-800-222-1222 in the U.S.).

INHALATION: Normally not needed. If exposed to excessive levels of dust or fumes, remove to fresh air and seek medical attention of 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.

EXPLOSION HAZARDS: Dusts at sufficient quantities can be ignited in air. Minimize dust generation and accumulation. Minimize activities which will float or suspend particles in air.

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.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: No special precautions required.

LARGE SPILL: With shovel or scoop, place material into appropriate container.

GENERAL PROCEDURES: Do not use compressed air for clean-up.

7. HANDLING AND STORAGE

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

STORAGE: Store in a dry area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Silica Gel	TWA	[1]	[1]	[2]	[2]
Carbon, activated	TWA	[3]	[3]	[3]	[3]
OSHA TABLE COMMENTS: 1. (80 mg/m ³)/(%SiO ₂) 2. TLV® withdrawn 3. Exposure limits not established.					

ENGINEERING CONTROLS: If user operations generate dust, fume or mist, use ventilation to keep exposure to

airborne contaminants below the exposure limit.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Follow facility guidelines.

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

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

COMMENTS: 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: Not Determined

PERCENT VOLATILE: None

VAPOR PRESSURE: Not Applicable

VAPOR DENSITY: Not applicable.

EVAPORATION RATE: Not Applicable

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	INHALATION LC ₅₀ (rat)
Carbon, activated	> 10000 mg/kg (rat)	> 64.4 mg/L/1H

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Silica Gel	Not listed.	Not listed.	Not listed.
Carbon, activated	Not listed.	Not listed.	Not listed.

SENSITIZATION: Not sensitizing

GENERAL COMMENTS: Low hazard for usual industrial or commercial handling.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No adverse effects expected.

CHEMICAL FATE INFORMATION: This material is of mineral origin. It is not biodegradable.

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

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **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 (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.

WHMIS CLASS: Does not meet classification criteria pursuant to the Canadian Hazardous Products Act.

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

Not classified as dangerous

16. OTHER INFORMATION

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

INFORMATION CONTACT: 502-634-7492

REVISION SUMMARY: Revision #: 1 This MSDS replaces the July 12, 2004 MSDS. Any changes in information are as follows: In Section 1 Prepared By In Section 2 Potential Health Effects - Inhalation Potential Health Effects - Ingestion Signs & Symptoms - Eyes Signs & Symptoms - Ingestion Signs & Symptoms - Inhalation Target Organs In Section 4 Firstaid - Eyes Firstaid - Inhalation In Section 5 Explosion Hazards In Section 6 General Procedures In Section 9 (Group Field) for pH (Group Field) for Vapor Pressure (Group Field) for Vapor Pressure Density (Group Field) for Water Solubility (Group Field) for Evaporation Rate (Group Field) for Percent Volatile In Section 11 IARC NTP OSHA In Section 12 Environmental Data In Section 15 Clean Air Act 40 CFR EEC Risk Phrase 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.