



Süd-Chemie Performance Packaging

Division of United Catalysts, Inc.

ISO 9002 CERTIFIED

101 Christine Dr.
Belen, New Mexico 87002
Phone: (505) 864-6691
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Material Safety Data Sheet -- 7 August, 1997
Desi View
Packaged Desiccant

Section 1 -- Product Identification

Trade Names and Synonyms	Desi View, Silica Gel, Synthetic Amorphous Silica, Silicon Dioxide, Crystal Blue, Montmorillonite Clay Mineral, Smectite Clay Mineral, Bentonite, Calcium Aluminosilicate
Chemical Families	(1) Synthetic Amorphous Silica (2) Clay Mineral
Chemical Formula	(1) $\text{SiO}_2 \cdot x \text{H}_2\text{O}$ (2) $(\text{Ca})_x(\text{Al}_{2-x}\text{Mg}_x)\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$

Section 2 -- Hazardous Ingredients

Component	CAS No.	% of Mixture	OSHA/PEL	ACGIH/TLV
Montmorillonite Clay Mineral	1302-78-9	≥90%		
Respirable Dust			5.0 mg/m ³	5.0 mg/m ³
Silicon Dioxide	14808-60-7	<1%		
Respirable Dust			0.1 mg/m ³	0.1 mg/m ³
Amorphous Silica	63231-67-4	≥ 10%		
Respirable Dust			10.0 mg/m ³	10.0 mg/m ³
Cobalt Chloride	7646-79-9	≤ 0.1%		
Respirable Dust			No Info Avail.	No Info Avail.

INGREDIENT HAZARD STATEMENT - This product contains less than 1% crystalline quartz (CAS #14808-60-7), which is in a non respirable form. The product is in granular form, and packed in bags for use as a desiccant. Therefore, no exposure to quartz or clay dust is anticipated under normal use of this product.

CARCINOGENICITY

NTP? NO	OSHA? NO
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Prolonged or repeated exposure may cause lung injury. Unless otherwise noted, all values are reported as 8-hour Time Weighted Averages (TWA's) and total dust (particulates only). All ACGIH TLV's refer to the



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1989-90 Standards. All OSHA PEL's refer to 49 CFR Part 1910 Air Contaminants: Final Rule, January 19, 1989.

Section 3 -- Physical Data

Appearance and Odor: Gray granules mixed with blue granules. Blue granules will turn to pink in the presence of water or water vapor. Mixture is odorless.

Melting Point:: >1600 deg C or 2900 deg F

Solubility in Water: Insoluble

Bulk Density: 52-58 lbs./cu. ft.

Percent Volatile By Weight @ 1750 deg F: <10%

Section 4 -- Fire Explosion Data

Fire and Explosion Hazard: Negligible fire and explosion hazard when exposed to heat or flame by reaction with incompatible substances.

Flash Point: Nonflammable.

Fire fighting Media: Dry chemical, water spray, or foam. For larger fires, use water spray fog or foam.

Fire fighting: Nonflammable solids, liquids or gases: Cool containers that are exposed to flames with water from the side until well after fire is out. For massive fire in enclosed area, use unmanned hose holder or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of the tank due to fire

Section 5 -- Health Hazard

First Aid (Inhalation): Remove to fresh air immediately. If breathing has stopped, give artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

First Aid (Ingestion): If large amounts have been ingested, give emetics to cause vomiting. Stomach siphon may be applied as well. Milk and fatty acids should be avoided. Get medical attention immediately.



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First Aid (Eyes): Wash eyes immediately and carefully for 30 minutes with running water, lifting upper and lower eyelids occasionally. Get prompt medical attention.

First Aid (Skin): To avoid repeated or prolonged contact with this chemical, use good hygienic practices. Wash with soap and a large amount of water. Get medical attention if irritation or inflammation develops.

SECTION 6 -- REACTIVITY DATA

Reactivity: Is stable under normal temperatures and pressures in sealed containers. Hazardous polymerization will not occur.

SECTION 7 -- SPILL OR LEAK PROCEDURES

Notify safety personnel of spills or leaks. Clean-up personnel need protection against inhalation of dusts or fumes. Eye protection is required. Vacuuming and/or wet methods of cleanup are preferred. Place in appropriate containers for disposal, keeping airborne particulates at a minimum. Clay is slippery when wet.

Disposal: Consult applicable local, state, and federal regulations to select the method of disposal. Recover metal components by reprocessing whenever possible.

SECTION 8 -- SPECIAL PROTECTION INFORMATION

Respiratory Protection: Provide a NIOSH/MSHA jointly approved respirator in the absence of proper environmental control. Contact your safety equipment supplier for proper mask type.

Ventilation: Provide general and/or local exhaust ventilation to keep exposures below the TLV. Ventilation used must be designed to prevent spots of dust accumulation or recycling of dusts.

Protective Clothing: Wear protective clothing, including long sleeves and gloves, to prevent repeated or prolonged skin contact.

Eye Protection: Chemical splash goggles designed in compliance with OSHA regulations are recommended. Consult your safety equipment supplier.



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SECTION 9 -- STORAGE PRECAUTIONS

Store in a dry, well ventilated place, below 115 degrees F., away from a heat source. Keep in tightly closed container. Protect container from physical damage. Always reseal container and protective moisture barrier liner after use.

SECTION 10

NFPA/HMIS:

Health:	0
Fire:	0
Reactivity:	0
Specific hazard:	See Section X

Personal Protection HMIS assigns choice of personal protective equipment to the customer, as the raw material supplier is unfamiliar with the condition of use.

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* No Information Available