



Material Safety Data Sheet -- August 13, 2002
Desi Fridge®
Packaged Adsorbent

Section 1 -- Product Identification

Trade Name and Synonyms:	Desi Fridge, 2in1
Chemical Families:	(1) Activated Bentonite Clay (2) Activated Carbon
Formula:	(1) $(Ca)_x (Al_{2-x} Mg)_y Si_4O_{10} (OH)_2 \cdot nH_2O$ (2) C

Section 2 -- Hazardous Ingredients

Components in Solid Mixture

Component	CAS No.	%	OSHA/PEEL	ACGIH/TLV
Bentonite Clay	1302-78-9	70-90	5.0 mg/m ³	5.0 mg/m ³
Activated Carbon	7440-44-0	10-30	10 mg/m ³	10 mg/m ³
Silicon Dioxide	14808-60-7	<1%	0.1 mg/m ³	0.1 mg/m ³

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



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Section 3 -- Physical Data

Appearance and Odor	Gray and black granules. No odor.
Melting Point	N/A
Solubility in Water	Insoluble
Bulk Density	48 - 57 lbs/cu. ft.
Percent Volatile by Weight @ 150 C	< 6%

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. Activated carbon (U.N. No. 1362, IMCO Code No. 4.2) is not considered a spontaneously combustible material if made by steam activation, and therefore is not subject to provisions of IMCO Customs Tariffs Restrictions.

Flash Point

330 deg C min. (ASTM D3466)

Firefighting Media

Dry chemical, water spray, or foam.
For larger fires, use water spray fog or foam.

Firefighting

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.



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SECTION 5 -- HEALTH HAZARD DATA

Health hazards may arise from inhalation, ingestion, and/or contact with the skin and/or eyes.

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.

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.

Incompatibilities

Avoid contact with strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc.



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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.

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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