



MATERIAL SAFETY DATA SHEET

Clay Unit Paks and PillowPaks

File No.: 0001
Date Revised: 11/8/14
Revision No: 5

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Desiccare Clay Unit Paks and PillowPaks
CHEMICAL NAME: Montmorillonite Clay

MANUFACTURER: Desiccare Inc.
985 Damonte Ranch Parkway Suite 320
Reno, NV 89521

EMERGENCY PHONE: 1-909-444-8272
CHEMTREC PHONE: 1-800-262-8200

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS: 100% natural mineral, raw material, montmorillonite.
Naturally occurring Dried Calcium Montmorillonite Clay w/2% or less moisture.

PRESERVATIVES AND SOLVENTS: None
OTHER GASES AND LIQUIDS: None

Ingredients	CAS	% By Weight
Pouch, Packet,		1-75
Montmorillonite Clay	1318-93-0	25 - 99
Silica, quartz	14808-60-7	<0.5

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
PHYSICAL APPEARANCE: Desiccare Clay Desiccant Product will vary in size and type of substrate
IMMEDIATE CONCERNS: Poses little to no 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. Pillow paks may pose a choking hazard. Keep away from children and pets.

SECTION 4: FIRST AID MEASURES

EYES: Do not rub eyes. Flush with plenty of water or eye wash solution for 5 minutes. While holding the eyelid open. Get medical attention if irritation persists.

SKIN: Wash with soap and water.

INGESTION: Normally not needed. Encourage fluid intake. Seek medical attention if symptoms develop or persist.

INHALATION: Normally not needed. Remove to fresh air. If symptoms of irritation persist, seek medical attention.

SECTION 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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SMALL SPILL:	No special precautions required.
LARGE SPILL:	With shovel or scoop, place material in to appropriate container.

SECTION 7: HANDLING AND STORAGE

HANDLING:	Use of proper hygiene practices in the workplace is recommended.
STORAGE:	Store in a dry area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: Note, There is no health hazard associated with intact packaged desiccant. If user operations generate dust keep exposure to airborne contaminants below the exposure limit.

Hazardous Components		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg / m ³	ppm	mg / m ³
Clay	8 hr TWA	(1)	(1)	(1)	(1)
Silica, quartz	8 hr TWA	(2)	(2)	(3)	(3)
OSHA TABLE COMMENTS:					
⁽¹⁾ Exposure limits not established					
⁽²⁾ Total Dust = (15 mg/m ³) @ 8 hr TWA					
⁽³⁾ Respirable limit = (5 mg/m ³) @ 8hr TWA					

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 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).

If handling bulk Clay Products, the following safety equipment is recommended.

RESPIRATORY PROTECTION:	Use NIOSH/MSHA approved respirators for silica bearing dust.
EYE PROTECTION:	Safety glasses should be worn.
SKIN PROTECTION:	Gloves should be worn.
WORK HYGIENIC PRACTICES:	Normal work and hygiene practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid
 ODOR: None
 pH: 7
 PERCENT VOLATILE: Not Applicable
 VAPOR PRESSURE, VAPOR DENSITY: Not Applicable
 OXIDIZING PROPERTIES: None

SECTION 10: STABILITY AND REACTIVITY

STABLE: Yes
 HAZARDOUS POLYMERIZATION: No
 CONDITIONS FOR STORAGE: Store in dry ambient environment. Store in original container. Keep tightly closed and dry

SECTION 11: TOXICOLOGICAL INFORMATION**ACUTE:**

Chemical Name	ORAL LD ₅₀ (rat)	INHALATION LC ₅₀ (rat)
Clay	>5000 gm/kg (b.w.)	>200 mg/l/1H

CARCINOGENICITY:

Chemical Name	NTP STATUS	IARC STATUS	OSHA STATUS
Clay	Not Listed	Not Listed	Not Listed
Silica, Quartz	Known Carcinogen	Group I	Not Listed

COMMENTS:

No exposure to airborne particles is expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: No known ecological hazards are associated with this product.
 CHEMICAL FATE INFORMATION: This material is of mineral origin. It is not biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of according to local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT CLASSIFICATION: Not classified

SECTION 15: REGULATORY INFORMATION

TSCA (Toxic Substance Control Act) Calcium Montmorillonite Clay is dried to approx. 2% moisture. As a dried product with moisture, it is not listed on the TSCA Inventory even though Silica Quartz is listed in the TSCA Inventory. Silica Quartz exist in Clay in miniscule quantities and is naturally coated with an unremovable layer of clay minerals. It is excluded from TSCA since it is an impurity "contained within" the clay structure.

Clay when packaged in substrate also is exempt as an "article" from the TSCA Inventory.

SECTION 16: OTHER INFORMATION

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.