



Safety Data Sheet

Damp Away II

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: MDR-306, MDR-307
PRODUCT NAME: Damp Away II
CHEMICAL NAME: Montmorillonite Clay
USE OF SUBSTANCE: Desiccant

MANUFACTURER: Marine Development and Research
515 East 41st Street
Paterson, NJ 07504

EMERGENCY PHONE: 973-754-7087
CHEMTREC PHONE: 1-800-262-8200

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE or MIXTURE:

The product is not classified as a hazard and does not require a hazard label in accordance with GHS regulation and the national laws. No pictograms hazard symbols are required.

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 Quarts is listed in the TSCA Inventory. Silica Quartz exist in Clay in miniscule quantities (<0.5%) and is naturally coated with an irremovable layer of clay minerals. It is excluded from TSCA since it is an impurity "contained within" the clay structure.

Calcium Montmorillonite Clay is listed as GRAS Material (Generally Recognized as Safe) in Title 21 of the Code of Federal Regulations, Part 182, Subpart B, Section 184.1155

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS: 100% natural mineral, raw material, montmorillonite.
Naturally occurring Dried Calcium Montmorillonite Clay w/2% or less moisture.
Calcium Montmorillonite Clay is a UVCB Substance, sub-type 4

PRESERVATIVES AND SOLVENTS None

OTHER GASES AND LIQUID

None

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 pressured-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 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: EXPOSURES CONTROLS/PERSONAL PROTECTION

Exposure Guidelines: Note, there is no health hazard associated with packaged desiccant. If bag is open handle to not generate dust. Exposure limits to airborne contaminates is listed below.

Hazardous Components					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m3	ppm	mg/m3
Clay	8hrTWA	(1)	(1)	(1)	(1)
Silica, quartz	8hrTWA	(2)	(2)	(3)	(3)

OSHA TABLE COMMENTS:

- (1) Exposure limits not established
- (2) Total Dust=(15mg/m³)@8 hr TWA
- (3) Respirable limit= (5mg/m³)@8 hr TWA

Comments

All inert or nuisance dust, whether mineral, inorganic or organic, not listed specifically by substance name are covered by the Particles 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 10mg/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
COLOR/SHAPE:	Tan, grey/ white particles
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 a dry ambient environment. Store in its original container. Keep tightly closed and dry.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY:	LD50>500 gm/kg(rat) Calcium Montmorillonite Clay is listed as GRAS Material (Generally Recognized as Safe) in the Title 21 of the Code of Federal Regulations, Part 182, Subpart B, and Section 184.1155
ACUTE DERMAL TOXICITY:	Not adsorbed through the skin.
SKIN IRRITATION:	Not an irritant (rabbit), Method: OECD 404.
EYE IRRITATION:	Not irritant (rabbit), OECD Method 405.
RESPIRATORY OR SKIN SENSITIZER:	Not a skin sensitizer can dry out skin by handling large amounts of Clay Desiccant without gloves.
STOT: Single Exposure:	Not toxic in acute tests.

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

IATA, IMDG: Not restricted

SECTION 15: REGULATORY INFORMATION

TSCA (Toxic Substance Control Act) Calcium Montmorrillonite 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 exists 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.