

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: Marykate® Moisture Absorber
Product Number (s): MK6912

Manufactured By: CRC Industries, Inc. (215) 674-4300
885 Louis Drive, Warminster, PA 18974
24-Hour Emergency Information: CHEMTREC (800) 424-9300

Section 2: Composition/Information on Ingredients

Component	CAS NUMBER	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
Calcium chloride	10043-52-4	NE	NE	NE	90-97
Sodium chloride	7647-14-5	NE	NE	NE	1-2
Potassium chloride	7447-40-7	NE	NE	NE	2-3
Strontium chloride	10476-85-4	NE	NE	NE	0-1

Section 3: Hazards Identification

Emergency Overview

Appearance & Odor: White to off-white solid pellets. Odorless.
Warning: Causes eye irritation.

Potential Health Effects:

- Inhalation:** Vapors are unlikely due to physical properties. Dust may cause irritation to upper respiratory tract.
- Eyes:** Pellets may cause slight eye irritation. Dusts may cause severe irritation with corneal injury. Effects may be slow to heal. When dissolving, the heat produced may cause more intense effects as well as thermal burns.
- Skin:** Short, single exposure is not likely to cause significant skin irritation. May cause more severe response if confined to skin or skin is abraded. A single, prolonged exposure is not likely to result in material being absorbed through the skin in harmful amounts.
- Ingestion:** Ingestion can cause gastrointestinal irritation or ulceration. Single dose oral toxicity considered to be low.

Carcinogenicity: OSHA: No IARC: No NTP: No

Chronic Overexposure: Repeated or prolonged contact with skin may cause dermatitis. The substance may have effects on the nasal mucous membrane, resulting in ulcerations.

Medical Conditions Aggravated by Exposure: Unknown

Section 4: First Aid Measures

Inhalation: Remove to fresh air. Contact physician if breathing becomes difficult or condition persists.

Eyes: Flush with large amounts of water for at least 15 minutes. Consult physician.

Skin: Wash area with plenty of water.

Ingestion: If ingested, call a physician immediately. Give plenty of water to drink. Do not induce vomiting unless directed by doctor.

Section 5: Fire-Fighting Measures

Flashpoint: None Method: NA LEL: NA UEL: NA

Extinguishing Media: This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.

Hazardous Combustion Products: May give off toxic fumes in a fire.

Fire-fighting Instructions: Keep people away. Isolate fire and deny unnecessary entry. Use positive pressure, self-contained breathing apparatus.

NFPA: Health: 1 Flammability: 0 Reactivity: 1

HMIS: Health: 1 Flammability: 0 Reactivity: 1 PPE: B

Section 6: Accidental Release Measures

Spill/Leak Procedures: Isolate area. Area should be ventilated. Shovel up dry chemical and place in non-metal drum with a cover. Cautiously spray residue with plenty of water. All used and unused product should be disposed of in accordance with federal, state and local regulations.

Section 7: Handling and Storage

Handling Procedures: Avoid contact with eyes and skin. Avoid breathing mist. Use good personal hygiene and housekeeping.

Storage Procedures: Store in a cool, well-ventilated area, out of direct sunlight. Keep containers tightly closed when not in use. Keep out of reach of children!

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Provide ventilation adequate to prevent accumulation of dust. Use mechanical means if necessary to maintain levels below the exposure limits. If working in a confined space, follow applicable OSHA regulations.

Respiratory: Use NIOSH/MSHA compliant respirators or self-contained breathing apparatus above exposure limits. Follow OSHA regulations 29 CFR 1910.134. Dust mask may be used if below exposure limits.

Protective Clothing/Equipment: Wear chemically protective gloves and safety glasses. Use a splash apron and boots if splashing occurs. Long sleeves and pants are recommended.

Section 9: Physical & Chemical Properties

Physical State:	Solid	Appearance & Odor:	White to off-white solid pellets. Odorless.
Specific Gravity:	2.2	Boiling Point:	>1500° F
Melting Point:	1425° F	Vapor Pressure:	<0.005 mmHg @ 20°C
Evaporation Rate:	NA	Vapor Density (air = 1)	NA

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pH: neutral or slightly alkaline Solubility: Complete in water.

Volatile Organic Compounds %: NA g/L: NA lbs./gal: NA

Section 10: Stability and Reactivity

Stability: Stable, Hygroscopic Hazardous Polymerization: No
Chemical Incompatibilities: Methyl vinyl ether, zinc, bromine trifluoride, aluminum, brass, sulfuric acid, mixtures of lime and boric acid, barium chloride.
Conditions to Avoid: None known.
Hazardous Decomposition Products: Flammable hydrogen may be generated from contact with metals such as zinc or sodium. Fumes of chloride are given off at temperatures above 2848° F. Contact with sulfuric acid yields hydrogen chloride gas.

Section 11: Toxicological Information

Calcium chloride: LD50 (skin, rabbit): >5000 mg/kg
LD50 (oral, rat): 1000 mg/kg

Section 12: Ecological Information

Ecotoxicity: Material is practically non-toxic to aquatic organisms on an acute basis.
Aquatic toxicity rating TLm 96: over 1000 ppm
Environmental Fate: Biodegradation is not applicable.

Section 13: Disposal Considerations

Disposal: This material, if discarded, is not considered to be a hazardous waste under U.S. EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules. Do not dump into sewers, on the ground or into any body of water.

Section 14: Transportation Information

Shipping Name: Not regulated
Hazard Class: NA UN Number: NA Packing Group: NA
Label: NA Placard: NA
Special Provisions: NA

Section 15: Regulatory Information

TSCA: All components are either listed under TSCA or are exempt.
SARA Title III: Section 311/312: Acute
Section 313*: None
CERCLA/Superfund (RQ): NA
Extremely Hazardous Substances: No
California Prop 65: No
* See section 2 for percentage
