

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: CALCIUM ALUMINATE CEMENT MORTAR FORM #845 Product Code: 845 ML-CA

TRADE NAME: Mainstay ML-CA

MANUFACTURER:

Madewell Products Corporation

7561 Industrial Court

Alpharetta GA 30004

Phone: (770) 475-8199

Emergency: PERS 1-800-633-8253

SECTION 2: HAZARD(S) IDENTIFICATION

GHS Ratings:

Skin corrosion/irritation	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Serious eye damage/eye irritation	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3 , Iritis > 1.5
Carcinogenicity	1A	Known Human Carcinogen Based on human evidence

GHS Hazards

H315	Causes skin irritation
H318	Causes serious eye damage
H350	May cause cancer

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see instructions on this label)
P362	Take off contaminated clothing and wash before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container to ...

Signal Word: Danger



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
QUARTZ	14808-60-7	50.00% - 60.00%
CALCIUM ALUMINATE	12042-68-1	30.00% - 40.00%
FLY ASH COMBUSTION RESIDUE	68131-74-8	5.00% - 10.00%

SECTION 4: First Aid Measures

First-aid measures after inhalation:

If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

First-aid measures after eye contact:

Immediately rinse with water for a prolonged period while holding the eyelids wide open. Seek medical attention if material is embedded in eye. If eye irritation persists, get medical advice and attention.

First-aid measures after skin contact:

Rinse immediately with plenty of water. Gently wash with plenty of soap and water. Obtain medical attention if irritation persists.

First-aid measures after ingestion:

If swallowed, wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms and effects both acute and delayed:

Symptoms/injuries after inhalation:

May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.

Symptoms/Injuries after skin contact:

Prolonged contact with large amounts of dust may cause mechanical irritation. Dust may cause irritation in skin folds or by contact in combination with tight clothing.

Symptoms/injuries after eye contact:

Redness, pain.

Symptoms/injuries after ingestion:

Abdominal pain.

Chronic symptoms:

Respiratory difficulties. May cause cancer.

SECTION 5: Fire-Fighting Measures

Flash Point: N/A

LEL: N/A

UEL: N/A

Extinguishing media: Use extinguishing media appropriate for surrounding fire.

Special hazards arising from the substance or mixture:

Not Flammable

No particular fire or explosion hazard.

No specific data.

Advice for firefighters:

Fight the fire with normal precautions from a reasonable distance.

Use normal individual fire protective equipment.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Do not breathe dust. Avoid generation of dust during clean-up of spills. Recover the product by vacuuming, shovelling or sweeping.

Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up.

Wear suitable protective clothing, gloves and eye/face protection. Use recommended respiratory protection.

Environmental precautions: Prevent entry to sewers and public waters.

SECTION 7: Handling and Storage

Precautions for safe handling:

Do not breathe dust. Avoid creating or spreading dust.

Conditions for safe storage, including any incompatibilities:

Store tightly closed in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep bulk and bagged product dry until used. Stack bagged material in a secure manner to prevent falling. Bagged material is heavy and poses risks such as sprains and strains to the back, arms, shoulders, and legs during lifting and mixing. Handle with care and use appropriate control measures.

SECTION 8: Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
QUARTZ 14808-60-7	.1MG/M3	.025MG/M3 RESPIRABLE FRACTION	Not Established
CALCIUM ALUMINATE 12042-68-1	Not Established	Not Established	Not Established
FLY ASH COMBUSTION RESIDUE 68131-74-8	Not Established	Not Established	Not Established

Exposure controls: Ensure adequate ventilation, especially in confined areas. Avoid dust production.

Personal protective equipment:

Protective goggles. In insufficient ventilation, wear respiratory protection or self-contained breathing apparatus.

Hand protection: Impermeable protective gloves.

Eye protection: Protective goggles.

Skin and body protection: Handle in accordance with good industrial hygiene and safety practices. Wash your hands immediately after handling this product, and again before leaving the workplace. Wear suitable protective clothing and wash contaminated clothing before reuse.

Respiratory protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentration of dust are expected to exceed exposure limits.

SECTION 9: Physical and Chemical Properties

PHYSICAL STATE: SOLID
APPEARANCE: CRYSTALLINE POWDER
COLOR: NATURAL
ODOUR: ODOURLESS
ODOUR THRESHOLD: NO DATA AVAILABLE
pH: <11.5
RELATIVE EVAPORATION RATE: NO DATA AVAILABLE
MELTING POINT: 1440C
FREEZING POINT: NO DATA AVAILABLE
BOILING POINT: NO DATA AVAILABLE
FLASH POINT: NO DATA AVAILABLE
SELF IGNITION TEMPERATURE: NO DATA AVAILABLE
DECOMPOSITION TEMPERATURE: NO DATA AVAILABLE
FLAMMABILITY (SOLID,GAS): NO DATA AVAILABLE
VAPOUR PRESSURE: NO DATA AVAILABLE
RELATIVE VAPOUR DENSITY AT 20C: NO DATA AVAILABLE
RELATIVE DENSITY: NO DATA AVAILABLE
DENSITY: 2.65-3.0 (APPROXIMATE)
SOLUBILITY: WATER/INSOLUBLE
LOG POW: NO DATA AVAILABLE
LOG KOW: NO DATA AVAILABLE
VISCOSITY: NO DATA AVAILABLE
EXPLOSIVE PROPERTIES: NONE KNOWN
OXIDISING PROPERTIES: NONE KNOWN
EXPLOSIVE LIMITS: NO DATA AVAILABLE

Boiling Point 2230 °C	
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SECTION 10: Stability and Reactivity

Reactivity: Hazardous reactions will not occur under normal conditions.

STABLE

Chemical stability: Stable under normal temperature and pressure.

Incompatible materials: Avoid strong oxidizers.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: None known.

Hazardous decomposition products: Quartz (silica) will dissolve in hydrofluoric acid producing a corrosive gas, silicon tetrafluoride.

Hazardous polymerization will not occur.

SECTION 11: Toxicological Information

Mixture Toxicity

Component Toxicity

Effects of Overexposure

Information on toxicological effects

Acute Oral Toxicity: Not classified

Acute Dermal Toxicity: May cause skin irritation

Acute Inhalation Toxicity: Not classified

Serious Eye Damage/Irritation: May cause serious eye damage

Carcinogenicity: May cause cancer (inhalation)

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity - single exposure: May cause respiratory irritation

Specific Target Organ Toxicity - repeated exposure: Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (inhalation)

Aspiration Hazard: Not classified.

CAS Number

14808-60-7

Description

QUARTZ

% Weight

50% - 60%

Carcinogen Rating

QUARTZ:

SECTION 12: Ecological Information

Toxicity

Persistence and degradability: Not readily biodegradable

Bioaccumulative potential: Not expected to bioaccumulate

Mobility in soil: Not available

Other adverse effects: No additional information available

Component Ecotoxicity

SECTION 13: Disposal Considerations

Waste treatment methods: Nonhazardous waste. Dispose of according to official regulations.

SECTION 14: Transport Information

Not regulated.

Agency

Proper Shipping Name

UN Number

Packing Group

Hazard Class

SECTION 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Title III Section 311/312 (40CFR370): Immediate (acute) health hazard, Delayed (chronic) health hazard

SARA Title III Section 313 (40CFR372): This product may contain constituents listed under SARA (Title III) Section 313, but not in amounts requiring supplier notification under 40 CFR Part 372 Subpart C

CERCLA Status (40CFR302):

RCRA Status (40CFR261):

OSHA/NTP/IARC Carcinogen Status: Prop 65 California contains chemicals known to the State of California to cause cancer


TSCA Inventory Status: Listed

Canadian DSL Status: Domestic substances list

Canadian WHMIS Status: Class D Division 2 Subdivision A. Toxic material causing other toxic effects

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

14808-60-7 QUARTZ 50 - 60% REPRODUCTIVE

 **WARNING:** This product can expose you to QUARTZ, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Country

Regulation

All Components Listed

SECTION 16: Other Information

HMIS ratings:

Health: 2*Moderate hazard

Flammability:0

Physical: 0

Personal Protection: E

Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="0"/>	HMIS & NFPA Hazard Rating
FLAMMABILITY	<input type="text" value="0"/>	Legend
PHYSICAL HAZARD	<input type="text" value="0"/>	* = Chronic Health Hazard
PERSONAL PROTECTION	<input type="text"/>	0 = INSIGNIFICANT
		1 = SLIGHT
		2 = MODERATE
		3 = HIGH

Madewell Products Corporation Disclaimer

The information and recommendations contained herein are based upon data believed to be up to date and correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by purchase, resale, use or exposure to our product. Customers and users of this product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures in accordance with applicable laws.

Reviewer Revision

Date Prepared: 3/27/2025