



## Safety Data Sheet

### Dry Mix 211

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#### PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Dry Mix 211  
**SDS Number:** 29  
**Product Code:** 211  
**Revision Date:** 6/21/2019  
**Version:** 1  
**Product Description:** High Temperature Refractory Mortar  
**Product Use:** Join/repair masonry flue tile, building fireboxes, parge coating

**Supplier Details:** Rutland Products  
7 Crabtree Road  
Jacksonville, IL 62650

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**2****HAZARDS IDENTIFICATION****Classification of the Substance or Mixture****GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**

Health, Carcinogenicity, 1  
Health, Specific target organ toxicity - Repeated exposure, 1  
Health, Serious Eye Damage/Eye Irritation, 2 A  
Health, Skin corrosion/irritation, 2

**GHS Label Elements, Including Precautionary Statements****GHS Signal Word: DANGER****GHS Hazard Pictograms:****GHS Hazard Statements:**

H350 - May cause cancer.  
H372 - Causes damage to organs through prolonged or repeated exposure.  
H319 - Causes serious eye irritation  
H315 - Causes skin irritation

**GHS Precautionary Statements:**

P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 - Wash skin thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists: Get medical advice/attention.  
P302 + P350 - IF ON SKIN: Gently wash with plenty of soap and water.  
P362 + P364 - Take off contaminated clothing and wash it before reuse.  
P308 + P313 - IF exposed or concerned: Get medical advice/ attention.  
P501 - Dispose of contents/container according to all local state and federal regulations.

**Hazards not Otherwise Classified (HNOC) or not Covered by GHS****Route of Entry:** Eyes; Ingestion; Skin;**Skin Contact:** May cause irritation.**Eye Contact:** May cause irritation.**Ingestion:** Ingestion is not an applicable route of entry for intended use. May be harmful if swallowed.

Crystalline Silica dust is expected to cause respiratory irritation and sensitization, and is considered carcinogenic. When this product is used as intended, exposure to Crystalline Silica dust is negligible, but users are recommended to avoid dust formation. If dust is created, precautions against inhalation of particles are encouraged (i.e. wear dust mask).



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#### 3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
65997-16-2		Cement, alumina, chemicals
9004-53-9		Dextrin
1302-93-8		Mullite (Al <sub>6</sub> O <sub>5</sub> (SiO <sub>4</sub> ) <sub>2</sub> )
1332-58-7		Kaolin

Percentages withheld, Trade Secret

#### 4 FIRST AID MEASURES

- Inhalation:** Remove to fresh air. Seek medical attention if cough or other symptoms develop or persist.
- Skin Contact:** Wash with plenty of water. Get medical attention if irritation develops or persists.
- Eye Contact:** Immediately flush eyes with plenty of water. After initial flushing, remove contact lenses and continue flushing for at least 15 minutes. If effects occur, consult a physician, preferably an ophthalmologist. May cause injury due to mechanical action.
- Ingestion:** If Swallowed, DO NOT INDUCE VOMITING. Immediately call a POISON CONTROL CENTER (1-800-222-1222), physician or emergency room immediately.

#### 5 FIRE FIGHTING MEASURES

**Flammability:** Non-flammable

Use any standard agent - choose the one most appropriate for type of surrounding fire.

#### 6 ACCIDENTAL RELEASE MEASURES

Absorb spilled material and place in appropriate container for disposal.

#### 7 HANDLING AND STORAGE

- Handling Precautions:** Avoid generating and/or breathing dust. Avoid contact with eyes. Avoid prolonged and repeated contact with skin. Keep away from food and drinking water. Keep material out of reach of children.
- Storage Requirements:** Keep container closed to prevent drying out. Store in cool/dry area.

#### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible.
- Personal Protective Equipment:** EYES AND FACE: Wear safety glasses with side shields. Chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent) are recommended.  
SKIN: Wear protective clothing, including long sleeves and gloves, to prevent skin contact. Thoroughly wash clothing before reuse. RESPIRATORY: In case of insufficient ventilation, wear suitable respiratory equipment.



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**9****PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Gray powder	<b>Odor:</b>	None
<b>Physical State:</b>	Solid	<b>Molecular Formula:</b>	Not Available
<b>Odor Threshold:</b>	Not Available	<b>Solubility:</b>	Insoluble in water
<b>Particle Size:</b>	Not Available	<b>Softening Point:</b>	Not Available
<b>Spec Grav./Density:</b>	2.3 - 2.7	<b>Percent Volatile:</b>	Not Available
<b>Viscosity:</b>	Not Available	<b>Heat Value:</b>	Not Available
<b>Saturated Vapor Concentration:</b>	Not Available	<b>Freezing/Melting Pt.:</b>	> 2700 F
<b>Flammability:</b>	Not Available	<b>Flash Point:</b>	Not Available
<b>Partition Coefficient:</b>	Not Available	<b>Octanol:</b>	Not Available
<b>Vapor Pressure:</b>	Not Available	<b>Vapor Density:</b>	Not Available
<b>pH:</b>	6 - 8	<b>VOC:</b>	Not Available
<b>Evap. Rate:</b>	Not Available	<b>Bulk Density:</b>	11.0 to 13.4
<b>Molecular weight:</b>	Not Available	<b>Auto-Ignition Temp:</b>	Not Available
<b>Decomp Temp:</b>	Not Available	<b>UFL/LFL:</b>	Not Available

**10****STABILITY AND REACTIVITY**

<b>Reactivity:</b>	This product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	None Known
<b>Materials to Avoid:</b>	Strong Acids; Strong Bases; Strong Oxidizing Agents;
<b>Hazardous Decomposition:</b>	None Known
<b>Hazardous Polymerization:</b>	Will not occur.

**11****TOXICOLOGICAL INFORMATION****Toxicity Data:**

Eye Effects: Direct contact with eyes may cause temporary irritation.

Skin Effects: Prolonged skin contact may cause temporary irritation.

Acute Inhalation Effects: Prolonged inhalation may be harmful.

Chronic Effects: Not Known.

Carcinogenicity: May cause cancer by inhalation.

**IMMEDIATE (ACUTE) EFFECTS:**

Acute Dermal: May cause temporary skin irritation.

Acute Inhalation : Dust from this product may cause respiratory irritation.

Acute Ocular (eye) : Direct contact with eyes is likely to be irritating.

Acute Ingestion: May cause gastrointestinal irritation

**12****ECOLOGICAL INFORMATION**

No information available



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#### 13 DISPOSAL CONSIDERATIONS

Dispose of this product in accordance with all applicable local, state and federal regulations.

#### 14 TRANSPORT INFORMATION

Not Regulated

#### 15 REGULATORY INFORMATION

RQ (CAS#) Substance - Reg Codes

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Cement, alumina, chemicals (65997-16-2) TSCA

Dextrin (9004-53-9) TSCA

Mullite (Al<sub>6</sub>O<sub>5</sub>(SiO<sub>4</sub>)<sub>2</sub>) (1302-93-8) CAPROP65, TSCA

Kaolin (1332-58-7) CAPROP65, OSHAWAC, PA, TSCA, TXAIR

Regulatory Code Legend

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TSCA = Toxic Substances Control Act

CAPROP65 = California Prop 65

OSHA WAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TXAIR = TX Air Contaminants with Health Effects Screening Level

#### 16 OTHER INFORMATION

PREPARED BY: Brian Miller

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.

Revision Date: 6/21/2019