

SAFETY DATA SHEET



Dry Mix 211

Date Prepared : 10/18/2013

SDS No : 211

Date Revised : 01/26/2016

Revision No : 2

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Dry Mix 211

GENERAL USE: High temperature refractory mortar

PRODUCT CODE: 211

MANUFACTURER

Rutland Products

7 Crabtree Rd.

Jacksonville, IL 62650

Emergency Phone: 800-424-9300

Alternate Emergency Phone: 217-245-7810

Customer Service: 800-544-1307

E-Mail: sales@rutland.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800-5553

CHEMTREC (US Transportation) : (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Carcinogenicity, Category 1
 Target Organ Toxicity (Repeated exposure), Category 1
 Eye Irritation, Category 2A
 Skin Irritation, Category 2

GHS LABEL



Health
hazard



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H350: May cause cancer (Inhalation).
 1719EB3E: Causes damage to organs through prolonged or repeated exposure. (Inhalation)
 H319: Causes serious eye irritation.
 H315: Causes skin irritation.

PRECAUTIONARY STATEMENTS

Prevention:

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P264: Wash exposed area thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.

Response:

P308+P313: IF exposed or concerned: Get medical advice/ attention.
 P314: Get medical advice/attention if you feel unwell.
 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+P352: IF ON SKIN: Wash with plenty of water.
 P362+P364: Take off contaminated clothing and wash it before reuse.

Disposal:

P501: Dispose of contents in accordance with local, regional, international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Vol. %	CAS
cement, alumina, chemicals	Withheld, trade secret.	65997-16-2
Mullite	Withheld, trade secret.	1302-93-8
Kaolin	Withheld, trade secret.	1332-58-7
dextrin	Withheld, trade secret.	9004-53-9

4. FIRST AID MEASURES

EYES: 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.

SKIN: Wash with plenty of water. Get medical attention if irritation develops or persists.

INGESTION: If Swallowed, do not induce vomiting. Give one cup (8 ounces or 240 ml) of water or milk if available and transport to a medical facility. Never give anything by mouth to an unconscious or convulsive person.

INHALATION: Remove to fresh air. Seek medical attention if cough or other symptoms develop or persist.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Non-Flammable

EXPLOSION HAZARDS: NA = Not Applicable.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: With shovel or scoop, place material into clean, dry container; move containers from spill area. Minimize airborne particulates. Protect against inhalation of dusts. Wear gloves and long sleeves. Avoid contact with skin. Use eye protection.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with skin and eyes. Do not breathe (dust, vapor, mist, gas). Minimize dust generation and accumulation.

HANDLING: Use with adequate ventilation. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Keep away from food and drinking water.

STORAGE: Keep in a cool, well ventilated place

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Powdered solids

ODOR: None

ODOR THRESHOLD: Not Available

COLOR: Grey

pH: 6 to 8

FLASH POINT AND METHOD: NA = Not Applicable.

FLAMMABLE LIMITS: 0 to 0

Notes: NA = Not Applicable.

AUTOIGNITION TEMPERATURE: NA = Not Applicable.

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: NA = Not Applicable.

FREEZING POINT: NA = Not Applicable.

MELTING POINT: > 1500°C

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: Not Available

PARTITION COEFFICIENT: N-OCTANOL/WATER: Not Available

EVAPORATION RATE: NA = Not Applicable.

DENSITY: Not Available

SPECIFIC GRAVITY: 2.3 to 2.7

VISCOSITY: Not Available

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable product.

INCOMPATIBLE MATERIALS: Strong Acids, Bases, and Oxidizers.

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY**

NOTES: May cause cancer by inhalation. Dust from this product may cause irritation to the respiratory tract.

SKIN CORROSION/IRRITATION: Skin Irritant

SERIOUS EYE DAMAGE/IRRITATION: Eye Irritant

RESPIRATORY OR SKIN SENSITISATION: Respiratory Irritant

STOT-REPEATED EXPOSURE: May cause damage to organs through prolonged or repeated exposure.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Available

ECOTOXICOLOGICAL INFORMATION: Not Available

BIOACCUMULATION/ACCUMULATION: None Expected.

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: 5000 mg/l

48-HOUR EC₅₀: 7600 mg/l

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION): Not regulated

ROAD AND RAIL (ADR/RID): Not regulated

AIR (ICAO/IATA): Not regulated

VESSEL (IMO/IMDG): Not regulated

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

311/312 HAZARD CATEGORIES: Immediate (acute) health hazard

Delayed (chronic) health hazard

TITLE III NOTES: None

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
cement, alumina, chemicals	65997-16-2
Mullite	1302-93-8
Kaolin	1332-58-7
dextrin	9004-53-9

TSCA STATUS: All components are listed on the TSCA Inventory or are excluded or exempt.

CALIFORNIA PROPOSITION 65: WARNING: Contains chemical(s) known by the State of California to cause cancer.

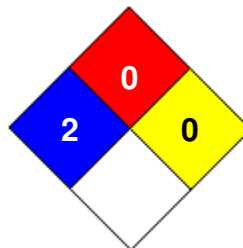
16. OTHER INFORMATION

PREPARED BY: Chad Stewart **Date Revised:** 01/26/2016

REVISION SUMMARY: This SDS replaces the 06/08/2015 SDS.

HMIS RATING

HEALTH		2
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

NFPA CODES

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.