

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard, 29 CFR 1910.1200

USM MASONS MIX

USM Products Including: USM Masons Mix Type M, N, O and S

Version 1.1

Revision Date: 01/10

N.F.P.A. & H.M.I.S. RATING

HAZARD INDEX

4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

HAZARD CLASS

Flammability
0
Health Reactivity
1 0
Special Note
-

SECTION I – PRODUCT IDENTIFICATION

Product Name: USM Masons Mix
Manufacturer: US MIX Co.
112 South Santa Fe Drive
Denver, CO 80223
Emergency Contact: CHEMTREC 800-424-9300
Information Contact: US MIX Co. 303-778-7227

SECTION II - HAZARDOUS INGREDIENTS

| | CAS # | OSHA PEL | ACGIH TLV | OTHER LIMITS | PERCENT |
|--------------------|------------|----------|-----------|--------------|---------|
| Portland Cement | 65997-15-1 | 10 mg/m3 | 10 mg/m3 | 50 MPPCF | 30-60 |
| Crystalline Silica | 14808-60-7 | 10 mg/m3 | 0.1 mg/m3 | NA | 30-60 |

Crystalline Silica is recognized by the International Agency for Research on Cancer (IARC) as a Group 1 carcinogen, by the National Toxicology Program (NTP) as a Group 2 carcinogen and by the State of California (Proposition 65) as carcinogenic to humans.

SECTION III - PHYSICAL CHEMICAL CHARACTERISTICS

Appearance: Grey Powder Odor: None
Boiling Point: NA Freezing / Melting Point: NA
Vapor Pressure (mm Hg): NA Evaporation (Butyl Acetate = 1): NA
Vapor Density (Air = 1): NA Water Solubility: Negligible
Specific Gravity (H2O=1): 2.2 Other Solubilities: None Known
pH: NA VOC Content: 0 g/L

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Tag Closed Cup): Non-Flammable

Flammable Limits LEL: NA UEL: NA

Extinguishing Media: NA

Special Fire Fighting Procedures: NA

Unusual Fire and Explosion Hazards: NA

SECTION V - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: NA

Incompatibility (Materials to Avoid): NA

Hazardous Decomposition (Byproducts): NA

Hazardous Polymerization: Will not occur.

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY

Inhalation? Yes Skin? Yes Ingestion? Yes Eyes? Yes

HEALTH HAZARDS (ACUTE AND CHRONIC)

Inhalation: Repeated inhalation of respirable dust over extended periods of time may cause injury to the lungs (silicosis).

Skin Contact: May cause irritation, burns and tissue damage.

Ingestion: May cause caustic burns in the mouth, esophagus and stomach.

Eye Contact: May cause burning and corneal edema.

Carcinogenicity:

| | ACGIH | IARC | NTP | OSHA |
|----------------------------|----------------------------|------------------|------------------|------------------|
| Crystalline Silica N.E. | Suspected Human Carcinogen | Human Carcinogen | Human Carcinogen | Known Carcinogen |

WARNING: This product contains crystalline silica, a chemical known to the State of California (Proposition 65) to cause cancer, birth defects and/or other reproductive toxicity.

SIGNS AND SYMPTOMS OF EXPOSURE

Cough, dyspnea (breathing difficulty), wheezing, decreased pulmonary function, progressive respiratory symptoms (silicosis), irritation eyes and potential occupational carcinogen.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None Known

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move to fresh air. If cough, irritation, difficulty in breathing persist or develop, call a physician.

Skin Contact: Do not rub skin. Rinse skin free of material with water to avoid abrasion of skin. Wash thoroughly with soap and water.

Ingestion: Administer milk or water. DO NOT induce vomiting. Call a physician or Poison Control Center immediately. DO NOT give anything orally to an unconscious person.

Eye Contact: Do not rub eyes. Flush with water for 15 minutes. Call a physician.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: No hazard. Vacuum or sweep up and dispose of in standard landfill. Avoid excessive dusting.

Waste Disposal Method: Preferred procedure is to vacuum material. Otherwise, spray with water and clean up with broom and shovel. Dispose of in accordance with local, state and federal regulations.

Precautions to be taken in Handling and Storage: Store material on pallets in a dry location. Avoid contact with eyes or skin.

Other Precautions: Avoid prolonged contact between skin surfaces and wet or moist Portland cement. Skin areas that have been in contact with wet or moist Portland cement should be washed thoroughly with soap and water.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: A NIOSH approved dust mask is recommended according to OSHA regulation 29 CFR 1910.134.

Ventilation: Fan or forced air exhaust. If ventilation is inadequate use respiratory protection.

Protective Gloves: Use rubberized gloves according to OSHA regulation 29 CFR 1910.138.

Eye Protection: Wear safety goggles or face shield according to OSHA regulation 29 CFR 1910.133.

Other Protective Clothing or Equipment: Safety showers, eye wash stations and washing facilities should be available.

Work/Hygienic Practices: Wash thoroughly with soap and water before eating, smoking or using washroom. Remove and wash contaminated clothing before re-use.

SECTION IX – DOT DATA

DOT Transportation Data (49 CFR 172.101):

| | |
|-----------------------------------|--------------------------|
| Shipping Name: | Not a Regulated Material |
| Hazard Class: | Non-Hazardous |
| ID No.: | NA |
| Packing Group: | NA |
| Label: | NA |
| Limited Quantity Exceptions: | NA |
| US Domestic Ground Shipments: | NA |
| Maritime Transport: | NA |
| Air Transport: | NA |
| Placards: | NA |
| National Motor Freight NMF-100-0: | Cement |
| | Item: 42130 |
| | Class: 55 |

SECTION X – REGULATORY INFORMATION

OSHA Status: Irritant

SARA Title III: Section 312 Extremely Hazardous Substances: None
 Section 311/312 Hazard Categories: Acute Health Hazard
 Section 313 Toxic Chemicals: None

RCRA Status: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product derived from the product should be classified as a hazardous waste.

California Proposition 65: The chemical(s) noted below are contained in this product and are known to the state of California to cause cancer, birth defects or other reproductive harm:

| | |
|------------|--------------------|
| CAS No. | Chemical Name |
| 14808-60-7 | Crystalline Silica |

Comments: This Material Safety Data Sheet and the information it contains are offered to you in good faith as accurate. We have reviewed any information contained in this datasheet, which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user’s obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of this product in a manner that might infringe existing patents. No warranty is made, either express or implied.

Legend

| | |
|---|--|
| ACGIH – American Conference of Governmental Hygienists | NTP – National Toxicology Program |
| CAS (#) – Chemical Abstracts Service | OSHA – Occupational Safety and Health Administration |
| CERCLA – Comprehensive Environmental Response, Compensation and Liability Act | PEL – Permissible Exposure Limit |
| DOT – Department of Transportation | RCRA – Resource Conservation and Recovery Act |
| DSL – Domestic Substance List | SARA – Superfund Amendments and Reauthorization Act |
| EPA – Environmental Protection Agency | STEL – Short Term Exposure Limit |
| HMIS – Hazardous Materials Information System | TLV – Threshold Limit Value |
| IARC – International Agency for Research on Cancer | TSCA – Toxic Substances Control Act |
| MPPCF – Million Particles per Cubic Foot | TWA – Time Weighted Average |
| NFPA – National Fire Protection Agency | VOC – Volatile Organic Compound |
| NIOSH – National Institute for Occupational Safety and Health | WHMIS – Workplace Hazardous Materials Information System |