

SAFETY DATA SHEET
DERBIFLASH RS 223 MIXING POWDER



SECTION 1 IDENTIFICATION

Product Name Derbiflash RS 223 Mixing Powder
Recommended Use Filler for self-levelling mortar
Manufacturer Performance Roof Systems
Address 4821 Chelsea Avenue
Kansas City, MO 64130
Phone Number (800) 727-9872
Emergency Number (800) 424-9300 (CHEMTREC)

SECTION 2 HAZARDS

GHS Classification Carcinogenicity: Category 1

Hazard Pictographs



Signal Word **DANGER**

Hazard Statements H350 - Suspected of causing cancer

Precautionary Statements P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing dust
P264 - Wash hands, forearms and face thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear gloves/protective clothing/eye protection/face protection

Response P301 + P312 + P330 If swallowed: Rinse mouth.
P303+P361+P353 - If on skin (or hair), Rinse skin with water/shower
P304+P340+312 If inhaled: Remove person to fresh air and keep comfortable for breathing. 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
P308+P313 - If exposed or concerned: Get medical advice/attention
P370+P378 - In case of fire: Use carbon dioxide (CO₂), foam, dry extinguishing powder to extinguish

Storage P405 - Store locked up.

Disposal P501 - Dispose of container in accordance with local, regional or national regulations

SECTION 3 COMPOSITION

Chemical Composition

COMPONENT	CAS NUMBER	PERCENT BY WEIGHT
Crystalline silica	14808-60-7	60 - 100

Note: The above components and their percentages are provided for health and safety purposes, ONLY. This document should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

ABBREVIATION KEY

GHS = Global Harmonized System

STOT = Specific Target Organ Toxicity

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SECTION 4 FIRST AID MEASURES

Eyes If foreign matter enters eyes, immediately flush with large amounts of potable water for at least 15 minutes or until irritation subsides. Get medical attention if irritation persists.

Skin Wash with plenty of soap and water.

Inhalation Remove person to fresh air and keep comfortable for breathing. Get medical attention if you feel unwell.

First-Aid, Ingestion Rinse mouth.

Symptoms, Acute & Delayed Immediate Medical Attention *Refer to Section 11 - Toxicological Information*
 All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials

SECTION 5 FIRE FIGHTING MEASURES

Fire Hazard Non-combustible

Hazardous Products of Combustions CO, CO₂, Nitrogen oxides, hydrocarbons, black smoke and methacrylic acid fumes.

Extinguishing Media Universal foam, dry chemical powder, CO₂ or sand

Firefighting instruction Do not use a heavy water stream. Use standard procedure for chemical fires.

Explosion Hazard None

Protection Gear Do not enter fire area without proper equipment, including respiratory protection.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions Provide adequate ventilation. Avoid generation of dust. Do not breathe dust. *Use personal protective equipment as described in Section 8.*

Environmental Precautions None

Method and Materials for Containment & Clean Up Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal. Ventilate affected area. Collect in closed containers for disposal.

SECTION 7 HANDLING AND STORAGE

Handling Provide adequate ventilation. Avoid generation of dust. Do not breathe dust. *Use personal protective equipment as described in Section 8.*

Storage Keep locked up. Provide adequate ventilation.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits

COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV	NIOSH
Crystalline silica	14808-60-7	0.1 mg/m ³ TWA (respirable)	0.025 mg/m ³ TWA (respirable)	0.05 mg/m ³ TWA (respirable)

ABBREVIATION KEY

OSHA = Occupational Safety & Health Administration

HCS = Hazard Communication Standard

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Measures/ Controls	Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.
General Industrial Hygiene	Use good industrial hygiene practices in handling this material.
Environmental Exposure Controls	Follow best practice for site management and disposal of waste.

PERSONAL PROTECTIVE EQUIPMENT

Pictographs



Eyes/Face	Safety glasses with side shields Follow the national guidelines concerning the use of protective eye wear.
Hand	Protective Gloves Leather or cotton gloves may be worn to prevent skin contact and irritation.
Skin/Body	Normal work clothing (long sleeved shirts, long pants and smooth bottom work shoes) is recommended.
Inhalation	Use NIOSH or MSHA approved respiratory protective equipment when airborne exposure limits are exceeded.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Grey, granular powder
Odor	odorless
Odor Threshold	No data available
pH	No data available
Relative Evaporation Rate	No data available
Boiling Point	No data available
Freezing Point	No data available
Flash Point	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Flammability (solid, gas)	No data available
Vapor Density	Heavier than air
Specific Gravity	≈ 2.65
Density	No data available
Viscosity	No data available
VOC	0 g/l

SECTION 10 STABILITY AND REACTIVITY

Stability	Material is stable under advised storage and handling conditions
Reactivity	No potentially hazardous reactions known
Incompatibility	moisture, heat
Hazardous Polymerization	Will not occur
Hazardous Decomposition	During a fire, irritating/toxic gases such as: carbon monoxide, carbon dioxide, nitrogen oxides, hydrocarbon by-products and black smoke

ABBREVIATION KEY

OSHA = Occupational Safety & Health Administration
 NIOSH = National Institute for Occupational Safety
 ACGIH = American Conference of Governmental Industrial Hygiene
 MSHA = Mine Safety and Health Administration

PEL = Permissible Exposure Level
 TLV = Threshold Limit Value
 TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

SECTION 11 TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Eyes	
Acute (Immediate)	May cause temporary irritation, tearing and burning
Chronic (Delayed)	This product is not expected to cause serious eye damage or irritation
Skin	
Acute (Immediate)	Prolonged skin contact may cause dryness, redness or cracking
Chronic (Delayed)	This product is not expected to cause sensitization
Inhalation	
Acute (Immediate)	May cause respiratory irritation. May cause drowsiness or dizziness.
Chronic (Delayed)	Prolonged inhalation may be harmful
Ingestion	
Acute (Immediate)	Swallowing a small quantity of this material will result in serious health hazard
Chronic (Delayed)	No data available
Component Carcinogenicity	Crystalline silica (14808-60-7) IARC: Group 1 - Carcinogenic to humans
Reproductive Toxicity	Based on available data, the classification criteria are not met
Teratogenicity	Based on available data, the classification criteria are not met
Mutagenicity	Based on available data, the classification criteria are not met
Aspiration Hazard	Based on available data, the classification criteria are not met
STOT Single Exposure	Based on available data, the classification criteria are not met
STOT Repeated Exposure	Based on available data, the classification criteria are not met.

SECTION 12 ECOLOGICAL INFORMATION

Eco toxicity	No known significant effects or critical hazards
Persistence & Degradability	No Data Available
Bioaccumulative potential	No Data Available
Soil Absorption/Mobility	No Data Available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Method	The transportation, storage, treatment and dispose of this waste must be conducted in accordance with all applicable federal, state and local regulations.
Recommendation	Product mixed with hardener and fully cured is ecologically save and can be disposed to local refuse deposit or recycling facility.

SECTION 14 TRANSPORT INFORMATION

Transportation Regulations	This product is not regulated as a hazardous material in transportation.
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SECTION 15 REGULATORY INFORMATION

TSCA Inventory Components are listed
DSL Inventory Components are listed
CERCLA This material does not contain any components with a CERCLA RQ
Sara 311/312 Categories Chronic Health Hazard
Sara 313 This material does not contain any components with a section 304 EHS RQ
Clean Air Act This product does not contain any hazardous air pollutants
CA Proposition 65 **WARNING:** This product can expose you to chemicals, including Crystalline silica, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Right to Know States

COMPONENT	CAS NUMBER	CA	MA	MN	NJ	PA	RI
Crystalline silica	14808-60-7	Yes	Yes	Yes	Yes	Yes	Yes

SECTION 16 OTHER INFORMATION

Preparation Date April 2020
Revision Date March 2022
Summary of Changes Branding Update
Disclaimer The information and recommendations contained herein are to the best of Performance Roof Systems' knowledge and belief, accurate and reliable as of the date issued. Performance Roof Systems does not warrant or guarantee their accuracy or reliability, and Performance Roof Systems shall not be liable for any loss or damage arising out of the use thereof.
 The information and recommendations are offered for the users consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. It is also the users responsibility to make certain that it is relying upon the most recent, updated, information and recommendations available from Performance Roof Systems.

ABBREVIATION KEY

TSCA = Toxic Substances Control Act
 CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act

DSL = Domestic Substances List (Canada)
 SARA = Superfund Amendments and Reauthorization Act