

# Firestone Building Products Company

## Material Safety Data Sheet

March 12, 2009

Page: 1

---

### SECTION 1: PRODUCT IDENTIFICATION

---

Product Name: Ceramic Coated Roofing Granules  
Chemical Name / Synonym: None  
Chemical Family: None  
24-Hour Emergency Phone: (800) 424-9300 CHEMTREC  
Manufacturer's Name: Firestone Building Products Company  
Manufacturer's Address: 250 West 96<sup>th</sup> Street, Indianapolis, IN 46260  
NFPA Hazard Rating: Health 0, Flammability 0, Reactivity 0  
HMIS Hazard Rating: Health 1, Flammability 0, Reactivity 0

---

### SECTION 2: CHEMICAL COMPOSITION

---

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Silica, Crystalline, Quartz	Rose Quartz, Sand	14808-60-7	<40	PEL <sub>(Respirable)</sub> <u>10 mg/m<sup>3</sup></u> (% SiO <sub>2</sub> + 2) PEL <sub>(Total)</sub> <u>30 mg/m<sup>3</sup></u> (% SiO <sub>2</sub> + 2) TLV <sub>(Respirable)</sub> 0.025 mg/m <sup>3</sup>
Nonhazardous as per 29 CFR 1910.1200.	None	None	>60	None Established

---

### SECTION 3: HAZARD IDENTIFICATION

---

Primary Route of Exposure: Inhalation  
Signs and Symptoms of Exposure: May cause eye irritation if dust gets into eyes. Breathing of this product's dust may cause respiratory system irritation.  
Medical Conditions Aggravated by Exposure: None Known.  
Chronic Effects: Prolonged and repeated exposure to crystalline silica containing dust can result in injury to the lungs. This condition is known as silicosis. Silicosis is characterized by the shortness of breath, decreased expansion of the chest, dry cough, leading to fatigue, dyspnea, and cyanosis, loss of appetite, pleuritic pain and decreased work capacity.  
Carcinogenicity: Crystalline silica is listed by IARC as a class 1, *carcinogenic to humans*, listed by NTP as a *known to be a human carcinogen*, and listed by NIOSH as a carcinogen.

---

### SECTION 4: FIRST AID MEASURES

---

First Aid Procedures: In case of eye contact, immediately flush eyes with large amounts of water. Call a physician if irritation persists. If the dust of this product is breathed in large amounts, remove to fresh air. If this material is ingested, give the individual one to two glasses of water. If discomfort is experienced, call a physician.

# Firestone Building Products Company

## Material Safety Data Sheet

March 12, 2009

Page: 2

---

### SECTION 5: FIRE FIGHTING PROCEDURES

---

Suitable Extinguishing Media:	Use media proper to extinguish the primary cause of the fire.
Hazardous Combustion Products:	Not Applicable
Recommended Fire Fighting Procedures:	Not Applicable
Unusual Fire and Explosion Hazards:	Not Applicable

---

### SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

---

Steps to Be Taken in Case Material is Released or Spilled:	Wet down material with water prior to cleanup to control dust. Scoop up and dispose of with solid waste according to federal, state and local regulations. Flush spill area with water.
Precautions to Be Taken in Handling and Storing:	Care should be taken to minimize the amount of dust generated when applying or handling this product. The amount of dust generated while handling these roofing granules is expected to vary depending on the user's application.

---

### SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

---

Ventilation:	Use in a well ventilated location.
Respiratory Protection:	A NIOSH-approved respirator may be warranted, based upon end-user determination.
Eye Protection:	Safety glasses with side shields may be needed as determined by end-user.
Skin Protection:	Leather or cotton gloves may be required for direct handling.
Other:	None required
Work / Hygienic Practices:	Wash exposed skin prior to eating, drinking or smoking and at the end of each work shift. Wash contaminated clothing prior to reuse.

---

### SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

---

Appearance and Odor:	White, black, or buff colored granules / no odor		
Flash Point:	Not Applicable	Lower Explosive Limit:	Not Applicable
Method Used:	Not Applicable	Upper Explosive Limit:	Not Applicable
Evaporation Rate:	Not Applicable	Boiling Point:	Not Applicable
pH (undiluted product):	Not Applicable	Melting Point:	Not Applicable
Solubility in Water:	Insoluble	Specific Gravity:	2.6 (Water=1)
Vapor Density:	Not Applicable	Percent Volatile:	Not Applicable
Vapor Pressure:	Not Applicable		

# Firestone Building Products Company

## Material Safety Data Sheet

March 12, 2009

Page: 3

---

### SECTION 9: STABILITY AND REACTIVITY

---

Thermal Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None

---

### SECTION 10: TRANSPORTATION

---

Regulatory Agency:	Not Regulated
Proper Shipping Name:	Not Applicable
Hazard Classification:	Not Applicable
Identification Number:	Not Applicable
Labels Required:	Not Applicable
Other Requirements:	Not Applicable

---

### SECTION 11: MISCELLANEOUS INFORMATION

---

Additional Comments:	None
Date of Previous MSDS:	June 27, 2008
Changes Since Previous MSDS:	Company name change
Telephone Number for Additional Information:	(317) 575-7190

---

### DISCLAIMER

---

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information, is accurate, complete or representative. Firestone Building Products Company, a subsidiary of Firestone Diversified Products, LLC, assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons, if reasonable safety procedures are not followed. Additionally, Firestone Building Products Company assumes no responsibility for injury to buyer, the buyer's employees, or any third persons caused by abnormal use of this material, even if reasonable safety procedures are followed.