

Firestone Building Products Company, LLC

Material Safety Data Sheet

January 4, 2012

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, LLC
Manufacturer's Address:	250 West 96 th Street, Indianapolis, IN 46260
NFPA Hazard Rating:	Health 0, Flammability 0, Reactivity 0
HMS 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 _(Respirable) <u>10 mg/m³</u> (% SiO ₂ + 2) PEL _(Total) <u>30 mg/m³</u> (% SiO ₂ + 2) TLV _(Respirable) 0.025 mg/m ³
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, <i>carcinogenic to humans</i> , listed by NTP as a <i>known to be a human carcinogen</i> , 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, LLC

Material Safety Data Sheet

January 4, 2012

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, LLC

Material Safety Data Sheet

January 4, 2012

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:	March 12, 2009
Changes Since Previous MSDS:	Review only.
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, 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.