

Material Safety Data Sheet

RockSolid Patch and Putty

Revised: 09-1-2013

Section 1 – Company and Product Identification

Trade Name: RockSolid Patch and Putty

Manufacturer: RockSolid Floors

Address: 2271 2nd St N
North St. Paul,
MN 55109

Phone: 866-765-4310

Product Application: Concrete Repair Mortar

Section 2 – Hazards Identification

Overview: Gray powder that can be irritating to the nose, throat and respiratory tract. If overexposed, immediately leave the work area to a zone of fresh air. Avoid additional overexposure. If symptoms persist, seek medical attention.

Entry Pathways and potential health effects:

Eyes: Direct contact may cause severe irritation (mechanical and/or abrasion) and possibly chemical burns. Can cause temporary injury to eyes.

Inhalation: Product may cause irritation to the throat, nose and/or respiratory tract.

Skin Contact: Direct contact may cause severe irritation (dryness, redness, cracking and/or chemical burns). May produce cement dermatitis due to alkaline, hygroscopic and abrasive properties.

Ingestion: May cause irritation to the mouth, throat and stomach. May cause dizziness, gastrointestinal irritation, nausea and/or vomiting.

Aggravated Medical Conditions: Pre-existing conditions with eye, skin or respiratory disorders may be aggravated by using this product.

Other Health Effects: Excessive inhalation of respirable crystalline silica dust may cause progressive, disabling and sometimes fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing and reduced pulmonary function. Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Refer to IARC Monograph 68, Silica and some Silicates and Organic Fibers (published June 1997) in conjunction with the use of these materials. The National Toxicology Program classifies respirable crystalline silica as

“known to be a human carcinogen”. Respirable crystalline silica is a suspected cancer agent by NTP and IARC.

Section 3 – Product Composition

Chemical Name	CAS# 65997-15-	Weight %
Portland Cement	1	40 – 60%
Crystalline Silica (Quartz)	14808-60-7	20 – 40%
Clay	1332-58-7	5 – 10%
Calcium Salt	26499-65-0	10 – 20%
Fly Ash	68131-74-8	< 2%

Section 4 – Emergency and First Aid Procedures

Eye Contact: Move victim to area of fresh air and flush the affected eye(s) for at least 15 minutes with water. If irritation persists, seek medical attention.

Skin Contact: Wash affected skin area thoroughly with soap and water. If redness, rashes or other irritations persist, seek medical attention.

Inhalation: Move victim to an area of fresh air and away from the material. Do not continue to overexpose to the material. If breathing problems persist, seek immediate medical attention.

Ingestion: Do not induce vomiting and seek medical attention right away.

Section 5 – Fire, Explosion and Fire-fighting Information

Flash-Point: Non-combustible

LEL/UEL: Not Available

Flammability Classification: DOT – Not regulated

NFPA – Not regulated

Auto-Ignition Temperature: Not Available

Hazardous Combustion Products: Not Available

Extinguishing Media: This product is not expected to burn under normal conditions. Use whatever media is pertinent based on the surroundings.

PE for Firefighters: Use normal fire-fighting procedures while wearing full protective clothing including SCBA.

Fire/Explosion Conditions: This product is not expected to ignite under normal usage conditions.

Section 6 – Environmental and Accidental Release Measures

Only personnel with proper protective equipment should handle spills. Windblown material may cause hazards described in section 2. It is recommended to dampen the material slightly and scoop or shovel into appropriate waste containers right away. Flush the remaining spill material with water.

Section 7 – Handling and Storage

Store containers in a dry, ventilated warehouse location. Keep containers closed when not in use.

Wash hands thoroughly after each use. Only use product in well-ventilated areas. Care should be taken to avoid ingestion, inhalation and contact with the eyes and skin.

Section 8 – Personal Protection and Exposure Controls

Hand Protection: Wear suitable rubber gloves.

Eye Protection: Wear suitable safety glasses or face shield to prevent exposure. Do not touch eyes with contaminated body parts or objects. Do not wear contact lenses.
Always work near a working eye wash station.

Inhalation Protection: Wear appropriate NIOSH/MSHA approved dust respirator. Follow respirator manufacturer's directions for use. Always use in well-ventilated areas.

Skin-body Protection: Avoid contact with skin by wearing shoes and clothes.

Exposure Limits:

Chemical Name	CAS Number	Regulation	Limit
Portland Cement	65997-15-1	OSHA PEL	5 mg/m ³ (respirable)
		OSHA PEL	15 mg/m ³ (total dust)
		ACGIH TWA:	1 mg/m ³ (respirable)
Crystalline Silica (Quartz)	14808-60-7	OSHA TWA:	0.1 mg/m ³ (respirable)
		OSHA TWA:	0.3 mg/m ³ (total dust)
		OSHA PEL:	5 mg/m ³ (respirable)
		OSHA PEL:	15 mg/m ³ (total dust)
		ACGIH TWA:	0.025 mg/m ³ (respirable)
Clay	1332-58-7	OSHA TWA:	5 mg/m ³ (respirable)
		OSHA TWA:	15 mg/m ³ (total dust)
		OSHA PEL:	5 mg/m ³ (respirable)
		OSHA PEL:	15 mg/m ³ (total dust)
		ACGIH TWA:	2 mg/m ³ (respirable)
Calcium Salt	26499-65-0	OSHA TWA:	5 mg/m ³ (respirable)
		OSHA TWA:	15 mg/m ³ (total dust)
		OSHA PEL:	5 mg/m ³ (respirable)
		OSHA PEL:	15 mg/m ³ (total dust)
		ACGIH TWA:	10 mg/m ³ (respirable)

Section 9 – Physical and Chemical Data

Form/Color:	Gray Powder	Odor:	Minimal
pH:	11-13 (in water)	Vapor Density:	N/A
Boiling Point:	N/A	Water Solubility:	Slightly Soluble
% Volatile:	0%	Specific Gravity:	3.0

Section 10 – Reactivity

Stability:	Stable under normal storage/use
Hazardous Polymerization:	Will not occur
Materials to avoid:	N/A

Section 11 – Disposal

Material not regulated under RCRA. Observe all local, state and federal regulations when disposing.

Section 12 – Toxicological Information

Clay – 1332-58-7

Acute Oral Toxicity:	5000 mg/kg (Rat)
Acute Dermal Toxicity:	5000 mg/kg (Rat)

Section 13 – Regulatory Information

All components are listed or exempt from the TSCA Inventory.

OSHA Hazardous Components:	Portland Cement	65997-15-1
	Crystalline Silica (Quartz)	14808-60-7
	Clay	1332-58-7
	Calcium Salt	26499-65-0
OSHA Status:	Hazardous Irritant; Carcinogenic	
OSHA Flammability:	Not Regulated	
Sara 313 Components:	None present in regulated quantities	
Sara 311/312 Hazards:	Acute Health Hazard	
	Chronic Health Hazard	
VOC:	0 g/L	
VOC Method 310:	0%	
Component listed as an IARC, NTP, OSHA or ACGIH Carcinogen:	Crystalline Silica (Quartz), 14808-60-7	

Section 14 – Other Information

HMIS Information:	Health:	1	0 = Minimum
	Flammability:	0	1 = Slight
	Reactivity:	0	2 = Moderate
	PPE		3 = Serious
			4 = Severe

Other Information: For industrial use only. Keep out of reach of children. RockSolid Floors believes the presented material to be accurate but not all-encompassing for all circumstances. The information provided herein is offered for the consideration of the user. It is the responsibility of the user to determine the suitability of this material for their applications. No warranty, expressed or implied, is given.