

**1. Product and company identification**

Product name	SikaGrout®-212
Supplier	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071
Telephone	(201) 933-8800
Telefax	(201) 804-1076
Emergency telephone	CHEMTREC: 800-424-9300
e-mail address of person responsible for this SDS	INTERNATIONAL: 703-527-3887 ehs@sika-corp.com
Manufacturer	Sika Corporation, Operations 201 Polito Avenue Lyndhurst, NJ 07071 www.sikausa.com
Telephone	(201) 933 - 8800
Chemical family	Cementitious Grout

2. Hazards identification

This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Potential Health Effects

Inhalation	Causes respiratory tract irritation.
Skin	Causes skin irritation.
Eyes	May cause eye injury - effects may be delayed. Causes severe eye irritation.
Ingestion	Harmful if swallowed.
Warning	Contains material that may cause target organ damage. Possible cancer hazard. Contains material which may cause cancer based on animal data.

See Section 11 for more detailed information on health effects and symptoms.

3. Composition/information on ingredients

<u>Component</u>	<u>CAS Number</u>
quartz (SiO ₂)	14808-60-7
portland cement	65997-15-1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.



4. First aid measures

First aid procedures

Inhalation	If inhaled, remove to fresh air. If breathing is difficult, trained personnel should give oxygen. Get medical attention.
Skin contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately if irritation develops and persists.
Eye contact	If easy to do, remove contact lens, if worn. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion	If swallowed, contact a poison control center or physician immediately. Do NOT induce vomiting unless directed to do so by medical personnel Never give anything by mouth to an unconscious person. Get medical attention immediately.

Notes to physician

Treatment	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
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5. Fire-fighting measures

Fire fighting

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	none
Further information	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk without suitable training.

Protective equipment and precautions for firefighters

Special protective equipment for firefighters	Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
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6. Accidental release measures

Personal precautions	Use personal protective equipment.
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	<p>Ensure adequate ventilation. Evacuate personnel to safe areas. No action shall be taken involving any personal risk without suitable training. Keep people away from and upwind of spill/leak. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.</p>
Environmental precautions	<p>Local authorities should be advised if significant spillages cannot be contained. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.</p>
Methods for containment and cleaning up	<p>Sweep up and shovel into suitable containers for disposal. Minimize dust generation and accumulation.</p>

7. Handling and storage

Handling	<p>For personal protection see section 8. Avoid inhalation, ingestion and contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area.</p>
Storage	<p>Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. To maintain product quality, do not store in heat or direct sunlight. Store in accordance with local regulations.</p>

8. Exposure controls/personal protection

Exposure limit(s)

<u>Component</u>	<u>CAS Number</u>	<u>Content %</u>	<u>Basis *</u>	<u>Value</u>	<u>Exposure limit(s) / Form of exposure</u>
quartz (SiO ₂)	14808-60-7	60 - 100	ACGIH	TWA	0.025 mg/m ³ Respirable fraction
		60 - 100	OSHA P0	TWA	0.1 mg/m ³ Respirable fraction
portland cement	65997-15-1	30 - 60	ACGIH	TWA	1 mg/m ³ Respirable fraction
		30 - 60	OSHA Z3	TWA	50 million particles per cubic foot
		30 - 60	OSHA P0	TWA	10 mg/m ³ Total
		30 - 60	OSHA P0	TWA	5 mg/m ³ Respirable fraction



*** Basis**

ACGIH. Threshold Limit Values (TLV)

OSHA P0. Table Z-1, Limit for Air Contaminant (1989 Vacated Values)

OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant

OSHA P2. Permissible Exposure Limits (PEL), Table Z-2

OSHA Z3. Table Z-3, Mineral Dust

Engineering measures Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Personal protective equipment

Eye protection Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Skin and body protection Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hygiene measures Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling.

Other information Table Z3. Quartz (SiO₂) <5@m
TWA: 10 mg/m³ 8 hour(s). Form: Respirable
TWA: 250 mppcf 8 hour(s). Form: Respirable
TWA: 30 mg/m³ 8 hour(s). Form: Total dust

Table Z1. Cement
TWA: 15 mg/m³ 8 hour(s). Form: Total dust
TWA: 5 mg/m³ 8 hour(s). Form: Respirable

9. Physical and chemical properties

Appearance

Form powder



Color gray

Safety data

Flash point > 199.9 °F (> 93.3 °C)

Density 3 g/cm³
at 68 °F (20 °C)

Viscosity, kinematic > 7 mm²/s
at 104 °F (40 °C)

10. Stability and reactivity

Stability Stable under normal conditions.

Conditions to avoid not applicable

Materials to avoid not applicable

Hazardous decomposition products Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Chronic Exposure Prolonged exposure can cause silicosis.

Target Organs Lungs

Carcinogenicity**IARC**

Group 1: Carcinogenic to humans
quartz (SiO₂) 14808-60-7

OSHA

not applicable

NTP

not applicable

ACGIH

Suspected human carcinogen: Human data are accepted as adequate in quality but are conflicting or insufficient to classify the agent as a confirmed human carcinogen; OR, the agent is carcinogenic in experimental animals at dose(s), by route(s) of exposure, at site(s), of histologic type(s), or by mechanism(s) considered relevant to worker exposure. The A2 is used primarily when there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals with relevance to humans.
quartz (SiO₂) 14808-60-7

12. Ecological information

Other information Do not empty into drains; dispose of this material and its container in a safe way.



13. Disposal considerations

Waste disposal methods	Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT
Not dangerous goods
IATA
Not dangerous goods
IMDG
Not dangerous goods

15. Regulatory information

Federal Regulations

TSCA Status	On TSCA Inventory
SARA 311/312 Hazards	Acute Health Hazard Chronic Health Hazard

EPCRA - Emergency Planning Community Right - To - Know

SARA 302 Ingredients	not applicable
SARA 313 Ingredients	not applicable

Clean Air Act

Ozone-Depletion Potential	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
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This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

State Regulations

California Prop. 65 Ingredients	WARNING! This product contains a chemical known in the State of California to cause cancer.
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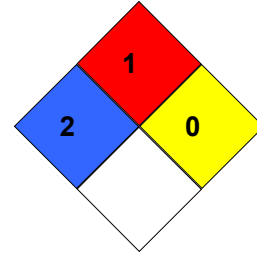
16. Other information



HMIS Classification

Health	*	2
Flammability		1
Physical Hazard		0
Personal Protection	E	

NFPA Classification



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Notes to Reader

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