



SAFETY DATA SHEET

1. Identification

Product identifier Color Guard (All Colors)
Other means of identification None.
Recommended use Cement is used as a binder in concrete and mortars that are widely used in construction.
Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Supplier

Company name Southern Grouts and Mortars, Inc.
Address 1502 SW 2nd Place
 Pompano Beach, Florida 33069
Telephone number (954) 943-2288
Fax (954) 943-2402
Contact name Technical Manager
Website WWW.SGM.CC
Emergency telephone number 954.943.2288

2. Hazard(s) identification

Physical hazards This material is considered hazardous by the 2012 OSHA Hazard Communications Standard (29 CFR 1910.1200).

Health hazards

Sensitization, skin Category 1
 Carcinogenicity Category 2
 Not classified.

OSHA defined hazards

Label elements



Signal word Warning
Hazard statement May cause an allergic skin reaction. May cause cancer.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust, fumes, gas, mist, vapors or spray. Wear protective gloves /eye protection. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Use personal protective equipment as required.

Response If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

Storage Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) May cause allergic skin reaction.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Titanium dioxide	13463-67-7	1-20
Iron (III) oxide	1309-37-1	0-5
Silicon dioxide	7631-86-9	0-5
Ethylene glycol	107-21-1	0-1
Diuron	330-54-1	0-1
Carbon black	1333-86-4	0-1
Iron oxide black	1317-61-9	0-1
Calcium carbonate	1317-65-3	0-1
Kaolin	1332-58-7	0-1
Ammonium hydroxide	1336-21-6	0-1
Talc	14807-96-6	0-1
4,4-dimethyloxazolidine	51200-87-4	0-1

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation Move to fresh air. Consult a physician if necessary.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion Remove dentures if applicable, and rinse mouth thoroughly with water and give large amounts of water, if person is conscious. Get medical attention.

Most important symptoms/effects, acute and delayed May cause an allergic skin reaction.

Indication of immediate medical attention and special treatment needed Treat symptomatically.

General information No hazards requiring special first aid measures.

5. Fire-fighting measures

Suitable extinguishing media Use measures suitable to the circumstances and environment.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical Sealed containers may rupture if exposed to high temperatures.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Ensure adequate information.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Dispose of used absorbent in suitable containers.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling

Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mists or dust. Wear respiratory equipment if ventilation is sufficient.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed and out of reach of children.

8. Exposure controls/personal protection

Ethylene glycol(107-21-1)		
ACGIH C:	100 mg/m3	--
Diuron(330-54-1)		
TWA	ACGIH: 10 mg/m3	NIOSH: 10 mg/m3
Iron (III) oxide(1309-37-1)		
ACGIH TWA:	5 mg/m3	--
NIOSH TWA:	5 mg/m3	--
OSHA TWA:	5 mg/m3	--
Calcium carbonate(1317-65-3)		
NIOSH TWA:	5 mg/m3 (respirable fraction)	10 mg/m3 (total dust)
OSHA PEL:	5 mg/m3 (respirable fraction)	15 mg/m3 (total dust)
Kaolin(1332-58-7)		
ACGIH TWA: 2 mg/m3	NIOSH TWA: 5 mg/m3	OSHA TWA: 5 mg/m3
Carbon black(1333-86-4)		
ACGIH TWA:	3 mg/m3	--
NIOSH TWA:	0.1 mg/m3	--
OSHA TWA:	3.5 mg/m3	--
Ammonium hydroxide(1336-21-6)		
ACGIH STEL:	35 ppm	--
ACGIH TWA:	25 ppm	--
NIOSH ST:	35 ppm	27 mg/m3
NIOSH TWA:	25 ppm	18 mg/m3
Silicon dioxide(7631-86-9)		
NIOSH TWA:	6 mg/m3	--
OSHA TWA:	20 mil particles/ft3	80 mg/m3/%SiO2
Titanium dioxide(13463-67-7)		
TWA:	ACGIH: 10 mg/m3	OSHA: 15 mg/m3
Talc(14807-96-6)		
ACGIH TWA:	2 mg/m3	--
NIOSH TWA:	2 mg/m3	--
OSHA TWA:	20 mppcf	--

Individual protection measures, such as personal protective equipment

Eye/face protection	Safety glasses with side-shields
Skin protection	Wear protective gloves.
Hand protection	
Skin protection	Wear protective clothes.
Other	
Respiratory protection	Respiratory equipment if ventilation is inadequate.
Thermal hazards	None

General hygiene considerations Avoid contact with skin, eyes and clothing. Wash hands, forearms and face after handling. Wash contaminated clothing before re-use.

9. Physical and chemical properties**Appearance**

Physical state	Liquid.
Form	Powder. Coarse Textured Powder.
Color	Various.

Odor Little to none.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Flash point method Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Specific gravity Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive.
Oxidizing properties Not oxidizing.

10. Stability and reactivity

Reactivity Chemical Not applicable.
Stability Material is stable under normal conditions.
Possibility of hazardous reactions Material is stable under normal conditions.
Conditions to avoid Freezing.
Incompatible materials None.
Hazardous decomposition products Powerful oxidizers. Chlorine. Mineral acid.
 No hazardous decomposition products are known.

11. Toxicological information

Ethylene glycol(107-21-1)	
Dermal LD50 (rabbit):	10626 mg/kg
Oral LD50 (rat):	4700 mg/kg
Diuron (330-54-1)	
Dermal LD50 (rat):	>5000 mg/kg
Inhalation LC50 (rat, 4 hrs):	>5.05 mg/L
Oral LD50 (rat):	1017 mg/kg
Iron (III) oxide(1309-37-1)	
Oral LD50 (rat):	>10000 mg/kg
Iron oxide black(1317-61-9)	
Oral LD50 (rat):	>5000 mg/kg
Carbon black(1333-86-4)	
Dermal LD50 (rabbit):	>3000 mg/kg
Oral LD50 (rat):	>8000 mg/kg
Silicon dioxide(7631-86-9)	
Oral LD50 (rat):	3160 mg/kg
Titanium dioxide(13463-67-7)	
Dermal LD50 (rabbit):	>10000 mg/kg
Oral LD50 (rat):	>10000 mg/kg

Information on likely routes of exposure

- Inhalation** Irritation of respiratory system.
- Skin contact** Causes skin irritation and drying.
- Eye contact** Irritation.
- Ingestion** Irritating. May cause nausea, stomach pain and vomiting..

Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Dusts may irritate the respiratory tract, skin and eyes. Coughing. Discomfort in the chest. Shortness of breath. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

- Acute toxicity** Not available.
- Skin corrosion/irritation** Causes skin irritation.
- Serious eye damage/eye irritation** Causes eye irritation.

Respiratory or skin sensitization

- Respiratory sensitization** Not available.
- Skin sensitization** May cause an allergic skin reaction.

Germ cell mutagenicity Not available.

Carcinogenicity This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not available.

Specific target organ toxicity - repeated exposure Not available.

Aspiration hazard Not an aspiration hazard.

Chronic effects Not available.

12. Ecological information

Ethylene glycol(107-21-1)	
EC50 (water flea, 24 hrs):	74000 mg/L
LC50 (golden orfe, 48 hrs):	>10000 mg/L
LC50 (rainbow trout, 96 hrs):	18500 mg/kg
LC50 (water flea, 48 hrs):	41000 mg/L
NOEC (fathead minnow, 7 days):	32000 mg/L
NOEC (fathead minnow, 96 hrs):	39140 mg/L
NOEC (water flea, 48 hrs):	24000 mg/L
Diuron(330-54-1)	
BCF (mosquito fish, 72 hrs, 159 µg/L):	290
Biodegradability (aerobic, 28 days):	0%
Respiration inhibition EC50 (bacteria, 30 mins):	3080 mg/L
Static EC50 (Scenedesmus subspicatus, 72 hrs):	0.022 mg/L
Static EC50 (water flea, 48 hrs):	1.4 mg/L
Static LC50 (rainbow trout, 96 hrs):	14.7 mg/L
Carbon black(1333-86-4)	
LC50 (zebra fish, 96 hrs):	>1000 mg/L
Static EC50 (green algae, 72 hrs):	>10000 mg/L
Static EC50 (water flea, 24 hrs):	>5600 mg/L
Titanium dioxide(13463-67-7)	
EC50 (water flea, 48 hrs):	>1000 mg/L
LC50 (fish, 96 hrs):	>1000 mg/L

Ecotoxicity The environmental impact of this substance has not been fully evaluated.

No data is available.

Persistence and degradability

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects None known.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Color Guard (All Colors)

933654 Version #: 01 Revision date: - Issue date: 23-May-2016

SDS US

7 / 9

Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 313 (TRI reporting)

This material does not contain any hazardous components exceeding the reporting thresholds established by SARA Title III, Section 313.

State Right-to-Know					
Chemical Name	CAS Number	MA	NJ	PA	RI
Titanium dioxide	13463-67-7	X	X	X	X
Iron (III) oxide	1309-37-1	X	X	X	X
Silicon dioxide	7631-86-9	X	X	X	
Ethylene glycol	107-21-1	X	X	X	X
Diuron	330-54-1	X	X	X	
Carbon black	1333-86-4	X	X	X	X
Iron oxide black	1317-61-9				X
Calcium carbonate	1317-65-3	X	X	X	
Kaolin	1332-58-7	X	X	X	X
Ammonium hydroxide	1336-21-6	X	X	X	
Talc	14807-96-6	X	X	X	

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Portland Cement (CAS 65997-15-1)

Quartz (CAS 14808-60-7)

US. New Jersey Worker and Community Right-to-Know Act

Portland Cement (CAS 65997-15-1)

Quartz (CAS 14808-60-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Portland Cement (CAS 65997-15-1)

Quartz (CAS 14808-60-7)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer or reproductive harm.

16. Other information, including date of preparation or last revision

Issue date	23-May-2016
Revision date	-
Version #	01
HMIS® ratings	Health: 1* Flammability: 0 Physical hazard: 0 Personal Protection: --
NFPA ratings	



PPE rating has been left intentionally blank. Choose appropriate PPE based upon actual conditions of use.

Disclaimer:

Southern Grouts and Mortars cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

