



# SAFETY DATA SHEET

CS-213

## Section 1. Identification

GHS product identifier : CS-213  
Other means of identification : Not Available

### Relevant identified uses of the substance or mixture and uses advised against

Not available

Supplier's details : Concrete Sealants, Inc.  
9325 St. Rte. 201  
Tipp City, Ohio 45371  
Tel.: 937-845-8776  
Toll-free: 800-332-7325  
Fax: 937-845-3587  
Email: hello@conseal.com  
Website URL: www.conseal.com

Emergency telephone number (with hours of operation) : 937-845-8776 or 800-332-7325  
(6am to 5pm EST)

## Section 2. Hazards Identification

**Since the product is in paste form, the risk of exposure to a carcinogen dust is minimum, this is why the related hazard statements are not shown in this SDS.**

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not Classified

### GHS label elements

Signal word : No signal word

Hazard statements : No known significant effects or critical hazards.

### Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Not applicable

Response : Not applicable

Storage : Not applicable

Disposal : Not applicable

Hazards not otherwise classified : None known

## Section 3. Composition/information on ingredients

Substance/mixture : Mixture  
Other means of identification : Not available

## Section 3. Composition/information on ingredients

### CAS number/other identifiers

**CAS number** : Not applicable  
**Product code** : Not available

Ingredient name	%	CAS number
Kaolin	10-30	1332-58-7
Palygorskite	10-30	12174-11-7
Petroleum asphalt	5-10	8052-42-4
Crystalline silica, quartz	1-5	14808-60-7
Carbon black	0.1-1	1333-86-4
Titanium dioxide	0.1-1	13463-67-7
4-(1,1,3,3-Tetramethylbutyl)phenol	0.1-1	140-66-9
Hydrogen sulfide	0-0.1	7783-06-4

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

**Eye contact** : Not a likely route of entry.  
**Inhalation** : Not a likely route of entry.  
**Skin contact** : No first aid should be needed.  
**Ingestion** : Wash mouth out with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments**

**Protection of first-aiders**

## Section 5. Firefighting measures

### Extinguishing media

**Suitable extinguishing media** : Carbon dioxide, dry chemical, foam and water fog or spray.

## Section 5. Firefighting measures

- Unsuitable extinguishing media** : None known
- Specific hazards arising from the chemical** : No specific fire or explosion hazard.
- Hazardous thermal decomposition products** : Decomposition materials may include the following materials:  
carbon dioxide  
carbon monoxide
- Special protective actions for firefighters** : No special measures are required.
- 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.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel."
- Environmental precautions** : None require if used according to recommended conditions.

### Methods and materials for contaminant and cleaning up

- Spill** : Explain the spill clean-up method here.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and faces before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Do not store in unlabeled containers.

## Section 8. Exposure Controls / Personal Protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Kaolin	<b>ACGIH TLV (United States, 6/2013).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction <b>NIOSH REL (United States, 4/2013).</b> TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Respirable fraction TWA: 10 mg/m <sup>3</sup> 10 hours. Form: Total <b>OSHA PEL (United States, 2/2013).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Total dust

## Section 8. Exposure Controls / Personal Protection

Petroleum asphalt	<p><b>NIOSH REL (United States, 4/2013).</b>            CEIL: 5 mg/m<sup>3</sup> 15 minutes. Form: Fume  <b>ACGIH TLV (United States, 6/2013).</b>            TWA: 0.5 mg/m<sup>3</sup>, (as benzene soluble aerosol) 8 hours. Form: Inhalable fraction</p>
Crystalline silica, quartz	<p><b>OSHA PEL Z3 (United States, 2/2013).</b>            TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Respirable            TWA: 250 mppcf 8 hours. Form: Respirable  <b>NIOSH REL (United States, 10/2013).</b>            TWA: 0.05 mg/m<sup>3</sup> 10 hours. Form: Respirable dust  <b>ACGIH TLV (United States, 4/2014).</b>            TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction</p>
Carbon black	<p><b>ACGIH TLV (United States, 4/2014).</b>            TWA: 3 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction.  <b>NIOSH REL (United States, 10/2013).</b>            TWA: 3.5 mg/m<sup>3</sup> 10 hours.            TWA: 0.1 mg of PAHs/cm<sup>3</sup> 10 hours.  <b>OSHA PEL (United States, 2/2013).</b>            TWA: 3.5 mg/m<sup>3</sup> 8 hours.</p>
Titanium dioxide	<p><b>OSHA PEL (United States, 2/2013).</b>            TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust  <b>ACGIH TLV (United States, 4/2014).</b>            TWA: 10 mg/m<sup>3</sup> 8 hours.</p>
Hydrogen sulphide	<p><b>ACGIH TLV (United States, 4/2014).</b>            STEL: 5 ppm 15 minutes.            TWA: 1 ppm 8 hours.  <b>NIOSH REL (United States, 10/2013).</b>            CEIL: 15 mg/m<sup>3</sup> 10 minutes.            CEIL: 10 ppm 10 minutes.  <b>OSHA PEL Z2 (United States, 2/2013).</b>            AMP: 50 ppm 10 minutes.            CEIL: 20 ppm</p>

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Individual protection measures

- Hygiene measures** : Appropriate techniques should be used to remove potentially contaminated clothing. IF ON SKIN (or hair): Wash contaminated clothing before reuse.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gasses or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical- resistant, Impervious gloves complying with an approved standard should be worn at times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** :
- Other skin protection** :
- Respiratory protection** :

## Section 9. Physical and Chemical Properties

### Appearance

## Section 9. Physical and Chemical Properties

<b>Physical state</b>	: solid
<b>Color</b>	: black
<b>Odor</b>	:
<b>Odor threshold</b>	: Not available
<b>pH</b>	: Not available
<b>Melting point</b>	: Not available
<b>Boiling point</b>	: Not available
<b>Flash point</b>	: Open cup: 232.22°C (450°F) [Cleveland]
<b>Burning time</b>	: Not available
<b>Burning rate</b>	: Not available
<b>Evaporation rate</b>	: Not available
<b>Flammability (solid, gas)</b>	: Not available
<b>Lower and upper explosive (flammable) limits</b>	: Not available
<b>Vapor pressure</b>	: Not available
<b>Vapor density</b>	: Not available
<b>Relative density</b>	: Not available
<b>Solubility</b>	: Insoluble in the following materials: cold water and hot water.
<b>Solubility in water</b>	: Not available
<b>Partition coefficient n-octanol/water</b>	: Not available
<b>Auto-ignition temperature</b>	: Not available
<b>Decomposition temperature</b>	: Not available
<b>SADT</b>	: Not available
<b>Viscosity</b>	: Not available

## Section 10. Stability and Reactivity

<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No specific data.
<b>Incompatible materials</b>	: Reactive or incompatible with the following materials: oxidizing materials. Non-reactive or compatible with the following materials: reducing materials, combustible materials, organic materials, metals, acids, alkalis, and moisture.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological Information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Petroleum asphalt	LD50 Oral	Rat	>5000mg/kg	-
Carbon black	LD50 Oral	Rat	>15400 mg/kg	-
4-(1,1,3,3-tetramethylbutyl)phenol	LD50 Dermal	Rabbit	1880 mg/kg	-
	LD50 Oral	Rat	4600 mg/kg	-
Hydrogen sulphide	LC50 Inhalation Gas	Rat	444 ppm	4 hours
	LC50 Inhalation Vapor	Rat	700 mg/m <sup>3</sup>	4 hours

## Section 11. Toxicological Information

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium dioxide	Skin- Mild irritant	Human	-	72 hours 300 µg intermittent	
4-(1,1,3,3-tetramethylbutyl)phenol	Eyes- Severe irritant Skin- Moderate irritant	Rabbit Rabbit		24 hours 50 µg 24 hours 20 µg	

### Sensitization

**Skin** : There is no data available

**Respiratory** : There is no data available

### Mutagenicity

There is no data available

### Carcinogenicity

### Classification

Product/ ingredient name	OSHA	IARC	NTP
Palygorskite	-	2B	Known to be a human carcinogen.
Petroleum asphalt	-	2B	
Crystalline silica, quartz	-	1	
Carbon black	-	2B	
Titanium dioxide	-	2B	

### Reproductive toxicity

There is no data available

### Teratogenicity

There is no data available

### Specific target organ toxicity (single exposure)

There is no data available

### Specific target organ toxicity (repeated exposure)

NAME	Category	Route of exposure	Target organs
Kaolin Crystalline silica, quartz	Category 2 Category 1	Inhalation Inhalation	Not determined kidneys, respiratory tract and testes

### Aspiration hazard

There is no data available

**Information on the likely routes of exposure** : Route of entry anticipated: Oral, Dermal.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

## Section 11. Toxicological Information

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

#### Long term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

#### Potential chronic health effects

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value

## Section 12. Ecological Information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium dioxide	Acute EC50 5.83 mg/L Fresh water	Algae- Pseudokirchneriella subcapitata- Exponential growth phase	72 hours
	Acute LC50 3 mg/L Fresh water	Crustaceans- Ceriodaphnia dubia- Neonate	48 hours
	Acute LC50 5.5 ppm. Fresh water	Daphnia- Daphnia magna- Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 1000 mg/L Fresh water Chronic NOEC 0.984 mg/L Fresh water	Fish- Pimephales promelas	96 hours
4-(1,1,3,3-tetramethylbutyl)phenol	Acute EC50 140 µg/L Marine water	Algae- Pseudokirchneriella subcapitata	72 hours
	Acute LC50 0.42 to 0.5 mg/L Marine water	Exponential growth phase	
	Acute LC50 0.011 mg/L Fresh water	Algae- Skeletonema costatum	48 hours
	Acute LC50 370 µg/L Fresh water	Crustaceans-Acartia tonsa-Adult Daphnia-Daphnia magna Fish- Danio rerio	48 hours 48 hours 96 hours
	Chronic NOEC 12 µg/L Fresh water	Fish-Danio rerio-Egg	78 days
Hydrogen sulfide	Acute EC50 62 µg/L Fresh water	Crustaceans-Gammarus	2 days
	Acute LC50 2 µg/L Fresh water	Pseudokirchneriella Fish-Coregonus clupeaformis-Yolk-sac fry	96 hours

### Persistence and degradability

There is no data available

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential

## Section 12. Ecological Information

Titanium dioxide	-	352	Low
4-(1,1,3,3-Tetramethylbutyl)phenol	4.8	740	high

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal Considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport Information

	DOT Classification	IMDG	IATA
<b>UN number</b>	Not regulated	Not regulated	Not regulated
<b>UN proper shipping name</b>	-	-	-
<b>Transport hazard class(es)</b>	-	-	-
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	No.	No.	No.
<b>Additional information</b>	-	-	-

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available

## Section 15. Regulatory Information

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** All components are listed or exempt.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not Listed

**Clean Air Act Section 602 Class I Substances** : Not listed



**Section 15. Regulatory Information**

**Clean Air Act Section 602** : Not listed  
**Class II Substances**

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 302/304**

**Composition/information on ingredients**

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Hydrogen sulfide	0-0.1	Yes.	500	-	100	-
formaldehyde	0-0.1	Yes.	-	-	-	-

**SARA 304 RQ** : 1202501.2 lbs / 545935.5 kg

**SARA 311/312**

**Classification** : Not applicable

**Composition/information on ingredients**

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Kaolin	10-30	No.	No.	No.	No.	Yes.
Palygorskite	10-30	No.	No.	No.	No.	Yes.
Petroleum asphalt	5-10	No.	No.	No.	No.	Yes.
Crystalline silica, quartz	1-5	No.	No.	No.	No.	Yes.
Carbon black	0.1-1	No.	No.	No.	No.	Yes.
Titanium dioxide	0.1-1	No.	No.	No.	No.	Yes.
4-(1,1,3,3-Tetramethylbutyl)phenol	0.1-1	No.	No.	No.	Yes.	No.
Hydrogen sulfide	0-0.1	Yes.	Yes.	No.	Yes.	No.

**SARA 313**

	Product name	CAS number	%
<b>Form R – Reporting requirements</b>			
<b>Supplier notification</b>			

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**State regulations**

- Massachusetts** : The following components are listed: Crystalline silica, quartz; Petroleum asphalt; Talc
- New York** : None of the following are listed.
- New Jersey** : The following components are listed: Crystalline silica, quartz; Titanium dioxide; Distillates (petroleum), solvent-dewaxed heavy paraffinic; Petroleum asphalt; Talc; Carbon black
- Pennsylvania** : The following components are listed: Kaolin; Crystalline silica, quartz; Titanium dioxide; Petroleum asphalt; Talc; Carbon black

**California Prop. 65**

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

## Section 15. Regulatory Information

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Palygorskite	Yes.	No.	No.	No.
Crystalline silica, quartz	Yes.	No.	No.	No.
Carbon black	Yes.	No.	No.	No.
Titanium dioxide	Yes.	No.	No.	No.
Isoprene	Yes.	No.	No.	No.
Formaldehyde	Yes.	No.	Yes.	No.

### International regulations

**International lists** : **Australia inventory (AICS)**: Not determined.  
**China inventory (IECSC)**: All components are listed or exempted.  
**Japan inventory**: Not determined.  
**Korea inventory**: Not determined.  
**Malaysia Inventory (EHS Register)**: Not determined.  
**New Zealand Inventory of Chemicals (NZIoC)**: All components are listed or exempted.  
**Philippines inventory (PICCS)**: All components are listed or exempted.  
**Taiwan inventory (CSNN)**: Not determined.

**Chemical Weapons Convention List Schedule I Chemicals** : Not listed

**Chemical Weapons Convention List Schedule II Chemicals** : Not listed

**Chemical Weapons Convention List Schedule III Chemicals** : Not listed

## Section 16. Other Information

### History

**Date of issue mm/dd/yyyy** : 06/01/2015  
**Version** : 1  
**Revised sections** : Not applicable.  
**Prepared by** : Concrete Sealant Inc.  
**Key to abbreviations** : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships  
1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.