

## 1. Identification

**Product identifier**                         **STRUCTO-LITE® Basecoat Plaster**

**Other means of identification**

**SDS number**                                 53000010015

**Synonyms**                                   Construction Plaster.

**Recommended use**                         Interior use.

**Recommended restrictions**             Use in accordance with manufacturer's recommendations.

### Manufacturer/Importer/Supplier/Distributor information

**Manufacturer**                               United States Gypsum Company

**Address**                                       550 West Adams Street  
Chicago, Illinois 60661-3637

**Telephone**                                 1-800-874-4968

**Website**                                      www.usg.com

**Emergency phone number**           1-800-507-8899

**Supplier**                                     CGC Inc.

**Address**                                     350 Burnhamthorpe Road West, 5th Floor  
Mississauga, Ontario L5B 3J1  
A Subsidiary of USG Corporation

**Telephone**                                 1-800-387-2690

**Website**                                      www.cgcinc.com

**Emergency phone number**           1-800-507-8899

## 2. Hazard identification

**Physical hazards**                         Not classified.

**Health hazards**                         Carcinogenicity                                 Category 1A  
Specific target organ toxicity following     Category 2 (Lung)  
repeated exposure

### Label elements



**Signal word**                                 Danger

**Hazard statement**                        May cause cancer. May cause damage to organs (Lung) through prolonged or repeated exposure.

**Precautionary statement**

**Prevention**                               Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wear protective gloves/protective clothing/eye protection/face protection.

**Response**                                 IF exposed or concerned: Get medical advice/attention.

**Storage**                                   Store locked up.

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

**Other hazards**                               None known.

**Supplemental information**             None.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1)		26499-65-0	< 85
Perlite		93763-70-3	< 10
Calcium sulphate		7778-18-9	< 5
Dolomite		16389-88-1	< 5

Impurities	CAS number	%
Crystalline silica (Quartz)	14808-60-7	< 2

**Composition comments** All concentrations are in percent by weight.

Raw materials in this product contain respirable crystalline silica as an impurity. The weight percent of respirable crystalline silica found in this product is < 2%. Exposures to respirable crystalline silica during the normal use of this product must be determined by workplace hygiene testing.

#### 4. First-aid measures

<b>Inhalation</b>	Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.
<b>Skin contact</b>	Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists.
<b>Eye contact</b>	Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.
<b>Ingestion</b>	Plaster of Paris hardens and if ingested may result in stomach and intestinal blockage. Drinking gelatin solutions or large volumes of water may delay setting.
<b>Most important symptoms/effects, acute and delayed</b>	Dust may irritate throat and respiratory system and cause coughing. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use fire-extinguishing media appropriate for surrounding materials.
<b>Unsuitable extinguishing media</b>	Not applicable.
<b>Specific hazards arising from the chemical</b>	Not a fire hazard.
<b>Special protective equipment and precautions for firefighters</b>	Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>Specific methods</b>	Cool material exposed to heat with water spray and remove it if no risk is involved.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Avoid inhalation of dust and contact with skin and eyes. See Section 8 of the SDS for Personal Protective Equipment.
<b>Methods and materials for containment and cleaning up</b>	Vacuum up the spilled material. Vacuums used for this purpose should be equipped with HEPA filters. Containers must be labeled. Collect in approved containers and seal securely. For waste disposal, see Section 13 of the SDS.

**Environmental precautions** Avoid discharge to drains, sewers, and other water systems.

## 7. Handling and storage

**Precautions for safe handling** Minimize dust production when mixing, or opening and closing bags. Avoid inhalation of dust. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices and use appropriate lifting techniques.

**Conditions for safe storage, including any incompatibilities** Store in a cool, dry, well-ventilated place. Store away from incompatible materials. Avoid contact with acids, water, and moisture.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Calcium sulphate (CAS 7778-18-9)	TWA	10 mg/m <sup>3</sup>	Inhalable fraction.
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	TWA	10 mg/m <sup>3</sup>	Inhalable fraction.

Impurities	Type	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
Calcium sulphate (CAS 7778-18-9)	TWA	10 mg/m <sup>3</sup>	
Dolomite (CAS 16389-88-1)	TWA	3 mg/m <sup>3</sup>	Respirable particles.
		10 mg/m <sup>3</sup>	Total particulate.
Perlite (CAS 93763-70-3)	TWA	3 mg/m <sup>3</sup>	Respirable particles.
		10 mg/m <sup>3</sup>	Total particulate.
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	TWA	10 mg/m <sup>3</sup>	

Impurities	Type	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable particles.

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Calcium sulphate (CAS 7778-18-9)	TWA	10 mg/m <sup>3</sup>	Inhalable
Dolomite (CAS 16389-88-1)	TWA	3 mg/m <sup>3</sup>	Respirable fraction.
		10 mg/m <sup>3</sup>	Total dust.
Perlite (CAS 93763-70-3)	TWA	3 mg/m <sup>3</sup>	Respirable fraction.
		10 mg/m <sup>3</sup>	Total dust.
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	STEL	20 mg/m <sup>3</sup>	Total dust.

Impurities	Type	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

Components	Type	Value	Form
Calcium sulphate (CAS 7778-18-9)	TWA	10 mg/m <sup>3</sup>	Inhalable fraction.
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	TWA	10 mg/m <sup>3</sup>	Inhalable fraction.
Impurities	Type	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

Components	Type	Value	Form
Calcium sulphate (CAS 7778-18-9)	TWA	10 mg/m <sup>3</sup>	Inhalable fraction.
Dolomite (CAS 16389-88-1)	TWA	3 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Respirable fraction. Inhalable fraction.
Perlite (CAS 93763-70-3)	TWA	3 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Respirable fraction. Inhalable fraction.
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	TWA	10 mg/m <sup>3</sup>	Inhalable fraction.
Impurities	Type	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.1 mg/m <sup>3</sup>	Respirable fraction.

**Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)**

Components	Type	Value	Form
Calcium sulphate (CAS 7778-18-9)	TWA	5 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Respirable dust. Total dust.
Dolomite (CAS 16389-88-1)	TWA	10 mg/m <sup>3</sup>	Total dust.
Perlite (CAS 93763-70-3)	TWA	10 mg/m <sup>3</sup>	Total dust.
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	TWA	5 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Respirable dust. Total dust.
Impurities	Type	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.1 mg/m <sup>3</sup>	Respirable dust.

**Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)**

Components	Type	Value	Form
Calcium sulphate (CAS 7778-18-9)	15 minute	20 mg/m <sup>3</sup>	
	8 hour	10 mg/m <sup>3</sup>	
Dolomite (CAS 16389-88-1)	15 minute	6 mg/m <sup>3</sup> 20 mg/m <sup>3</sup>	Respirable fraction. Inhalable fraction.
	8 hour	3 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Respirable fraction. Inhalable fraction.
Perlite (CAS 93763-70-3)	15 minute	20 mg/m <sup>3</sup>	
	8 hour	10 mg/m <sup>3</sup>	

**Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)**

Components	Type	Value	Form
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	15 minute	20 mg/m <sup>3</sup>	
	8 hour	10 mg/m <sup>3</sup>	
Impurities	Type	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	8 hour	0.05 mg/m <sup>3</sup>	Respirable fraction.

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.
<b>Appropriate engineering controls</b>	Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimise the risk of exposure.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear approved safety goggles.
<b>Skin protection</b>	
<b>Hand protection</b>	It is a good industrial hygiene practice to minimise skin contact. For prolonged or repeated skin contact use suitable protective gloves.
<b>Other</b>	Normal work clothing (long sleeved shirts and long pants) is recommended.
<b>Respiratory protection</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded.
<b>Thermal hazards</b>	None.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment separately from regular wash. Observe any medical surveillance requirements.

## 9. Physical and chemical properties

<b>Appearance</b>	
<b>Physical state</b>	Solid.
<b>Form</b>	Powder.
<b>Colour</b>	White to off-white.
<b>Odour</b>	Low to no odour.
<b>Odour threshold</b>	Not applicable.
<b>pH</b>	6 - 8
<b>Melting point/freezing point</b>	Not applicable.
<b>Initial boiling point and boiling range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not applicable.
<b>Flammability limit - upper (%)</b>	Not applicable.
<b>Explosive limit - lower (%)</b>	Not applicable.
<b>Explosive limit - upper (%)</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Vapour density</b>	Not applicable.

<b>Relative density</b>	2.4 - 2.8 (H2O=1)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	0.15-0.40 g/100g (H2O)
<b>Partition coefficient (n-octanol/water)</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition temperature</b>	1450 °C (2642 °F)
<b>Viscosity</b>	Not applicable.
<b>Other information</b>	
<b>Bulk density</b>	45 - 55 lb/ft <sup>3</sup> (dry)
<b>VOC</b>	0 %

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	When mixed with water this product can become very hot. Encasing or making moulds of any body part can cause serious burns that may require surgical removal of affected tissue and even amputation of encased body part.
<b>Incompatible materials</b>	Acids. Crystalline silica in contact with powerful oxidizing agents, such as fluorine, chlorine trifluoride and oxygen difluoride, may cause fires. Crystalline silica will dissolve in hydrofluoric acid and produce a corrosive gas, silicon tetrafluoride.
<b>Hazardous decomposition products</b>	Calcium oxides. Sulphur oxides. Silicon oxides.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Inhalation of dusts may cause respiratory irritation. Prolonged and repeated exposure to airborne respirable crystalline silica can cause silicosis and/or lung cancer.
<b>Skin contact</b>	Under normal conditions of intended use, this product does not pose a skin hazard.
<b>Eye contact</b>	Direct contact with airborne particulates may cause temporary irritation.
<b>Ingestion</b>	May cause discomfort if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** Dust may irritate eyes and mucous membranes of the nose, throat and upper respiratory system causing sneezing and/or coughing. Prolonged exposure may cause chronic effects.

### Information on toxicological effects

**Acute toxicity** Not expected to be acutely toxic.

Components	Species	Test Results
Calcium sulphate (CAS 7778-18-9)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	Rat	> 3.26 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	> 1581 mg/kg

**Skin corrosion/irritation** Prolonged or repeated skin contact may cause drying, cracking, or irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

### Respiratory or skin sensitisation

<b>Respiratory sensitisation</b>	Not a respiratory sensitiser.
<b>Skin sensitisation</b>	Not a skin sensitiser. Plaster of Paris has displayed little sensitization potential.

**Germ cell mutagenicity** Data does not suggest that this product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Repeated and prolonged exposure to high levels of respirable crystalline silica may cause cancer.

## ACGIH Carcinogens

Crystalline silica (Quartz) (CAS 14808-60-7) A2 Suspected human carcinogen.

## Canada - Alberta OELs: Carcinogen category

Crystalline silica (Quartz) (CAS 14808-60-7) Suspected human carcinogen.

## Canada - Manitoba OELs: carcinogenicity

Crystalline silica (Quartz) (CAS 14808-60-7) Suspected human carcinogen.

## Canada - Quebec OELs: Carcinogen category

Crystalline silica (Quartz) (CAS 14808-60-7) Suspected carcinogenic effect in humans.

## IARC Monographs. Overall Evaluation of Carcinogenicity

Crystalline silica (Quartz) (CAS 14808-60-7) 1 Carcinogenic to humans.

## US. National Toxicology Program (NTP) Report on Carcinogens

Crystalline silica (Quartz) (CAS 14808-60-7) Known To Be Human Carcinogen.

**Reproductive toxicity** Not expected to be a reproductive hazard.

**Specific target organ toxicity - single exposure** No data available, but none expected.

**Specific target organ toxicity - repeated exposure** May damage lung tissue through repeated and prolonged exposure to high levels of respirable crystalline silica particles.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged and routine inhalation of high levels of respirable crystalline silica particles can lead to the lung disease known as silicosis. Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica. Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

## 12. Ecological information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) > 1970 mg/l, 96 hours

**Persistence and degradability** Calcium sulfate dissolves in water forming calcium and sulfate ions.

**Bioaccumulative potential** Bioaccumulation is not expected.

**Mobility in soil** No data available.

**Other adverse effects** None expected.

## 13. Disposal considerations

**Disposal instructions** Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.

**Local disposal regulations** Dispose of in accordance with local 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.

**Contaminated packaging** Dispose of in accordance with local regulations.

## 14. Transport information

### TDG

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

### Controlled Drugs and Substances Act

Not regulated.

### Export Control List (CEPA 1999, Schedule 3)

Not listed.

### Greenhouse Gases

Not listed.

### Precursor Control Regulations

Not regulated.

### International regulations

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto Protocol

Not applicable.

#### Montreal Protocol

Not applicable.

#### Basel Convention

Calcium sulphate (CAS 7778-18-9)

Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

**Issue date** 05-March-2019

**Revision date** -

**Version No.** 01

**Further information** Crystalline silica: Raw materials in this product contain respirable crystalline silica as an impurity. Exposures to respirable crystalline silica are not expected during the normal use of this product. However, actual levels must be determined by workplace hygiene testing. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer.

Plaster of Paris: Is classified as a hazardous substance but is generally considered a safe material for routine use. When plaster of Paris is used responsibly it is not considered as a dangerous material. However, when mixed with water this product can become very hot. DO NOT attempt to make a cast enclosing any part of the body. Encasing any body part can cause serious burns and even amputation of the encased body part.

**Disclaimer** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.