

SAFETY DATA SHEET

1. Identification

Product identifier STRUCTO-LITE® Basecoat Plaster

Other means of identification

SDS number 53000010015

Synonyms Construction Plaster.

Recommended use Interior use.

Recommended restrictionsUse in accordance with manufacturer's recommendations.

Manufacturer/Importer/Supplier/Distributor information

Company name 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

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Carcinogenicity Category 1A

Specific target organ toxicity, repeated

exposure (inhalation)

OSHA defined hazards Not classified.

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

Category 2 (Lung)

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.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1)	26499-65-0	< 85
Perlite	93763-70-3	< 10

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Calcium sulfate	7778-18-9	< 5 < 5	
Dolomite	16389-88-1		
Impurities			
Chemical name	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

Inhalation 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.

Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or Skin contact

persists.

Eve contact Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical

assistance.

Plaster of Paris hardens and if ingested may result in stomach and intestinal blockage. Drinking Ingestion

gelatin solutions or large volumes of water may delay setting.

Most important

symptoms/effects, acute and

delayed

Dust may irritate throat and respiratory system and cause coughing. Prolonged exposure may

cause chronic effects.

Indication of immediate medical attention and special

treatment needed

General information

Provide general supportive measures and treat symptomatically.

Ensure that medical personnel are aware of the material(s) involved.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Use fire-extinguishing media appropriate for surrounding materials.

Not applicable.

Specific hazards arising from

the chemical

Not a fire hazard.

Special protective equipment and precautions for firefighters 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.

Fire fighting

equipment/instructions

Specific methods

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

Cool material exposed to heat with water spray and remove it if no risk is involved.

General fire hazards

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Avoid inhalation of dust and contact with skin and eyes. See Section 8 of the SDS for Personal Protective Equipment.

Methods and materials for containment and cleaning up 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.

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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

Impurities	tances (29 CFR 1910.1001-1053) Type	Value	
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.05 mg/m3	
US. OSHA Table Z-1 Limits for Air Con	taminants (29 CFR 1910.1000)		
Components	Туре	Value	Form
Calcium sulfate (CAS 7778-18-9)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
US. OSHA Table Z-3 (29 CFR 1910.1000	-	Value	Form
Components	Type	Value	
Dolomite (CAS 16389-88-1)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
Perlite (CAS 93763-70-3)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
mpurities	Туре	Value	Form
Crystalline silica (Quartz) CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable.
		2.4 mppcf	Respirable.
US. ACGIH Threshold Limit Values			
Components	Туре	Value	Form
Calcium sulfate (CAS 7778-18-9)	TWA	10 mg/m3	Inhalable fraction.
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	TWA	10 mg/m3	Inhalable fraction.
Impurities	Туре	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
US. NIOSH: Pocket Guide to Chemical	Hazards		
Components	Туре	Value	Form
Calcium sulfate (CAS 7778-18-9)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
Perlite (CAS 93763-70-3)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total

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US. NIOSH: Pocket Guide to Chemical Hazards				
Components	Туре	Value	Form	
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	TWA	5 mg/m3	Respirable.	
		10 mg/m3	Total	
Impurities	Туре	Value	Form	
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.	

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica

should be monitored and controlled.

Appropriate engineering

controls

Provide sufficient ventilation for operations causing dust formation. Observe occupational

exposure limits and minimize the risk of exposure.

Individual protection measures, such as personal protective equipment

Wear approved safety goggles. Eye/face protection

Skin protection

It is a good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin Hand protection

contact use suitable protective gloves.

Skin protection

Other Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection 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. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. 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. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator

use.

None. Thermal hazards

General hygiene considerations

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

Appearance

Solid. **Physical state** Powder. **Form**

Color White to off-white. Low to no odor. Odor **Odor threshold** Not applicable.

6 - 8 pН

Melting point/freezing point Not applicable. Initial boiling point and boiling Not applicable.

range

Flash point Not applicable. Not applicable. **Evaporation rate** Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

Not applicable.

(%)

Flammability limit - upper

(%)

Not applicable.

Explosive limit - lower (%) Not applicable. Explosive limit - upper (%) Not applicable.

Not applicable. Vapor pressure Not applicable. Vapor density Relative density 2.4 - 2.8 (H2O=1)

Solubility(ies)

0.15-0.40 g/100g (H2O) Solubility (water)

Partition coefficient

(n-octanol/water)

Not applicable.

Auto-ignition temperature Not applicable. 2642 °F (1450 °C) **Decomposition temperature Viscosity** Not applicable.

Other information

Bulk density 45 - 55 lb/ft3 (dry)

VOC 0 %

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid 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.

Acids. Crystalline silica in contact with powerful oxidizing agents, such as fluorine, chlorine Incompatible materials

trifluoride and oxygen difluoride, may cause fires. Crystalline silica will dissolve in hydrofluoric acid

and produce a corrosive gas, silicon tetrafluoride.

Hazardous decomposition

products

Calcium oxides. Sulfur oxides. Silicon oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation Inhalation of dusts may cause respiratory irritation. Prolonged and repeated exposure to airborne

respirable crystalline silica can cause silicosis and/or lung cancer.

Skin contact Under normal conditions of intended use, this product does not pose a skin hazard.

Eye contact Direct contact with airborne particulates may cause temporary irritation.

Ingestion 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 sulfate (CAS 7778-18-9)

Acute Inhalation

LC50 Rat > 3.26 mg/l, 4 Hours

Oral

LD50 Rat > 1581 mg/kg

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

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

irritation

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization Not a skin sensitizer. Plaster of Paris has displayed little sensitization potential.

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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.

IARC Monographs. Overall Evaluation of Carcinogenicity

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

NTP Report on Carcinogens

Crystalline silica (Quartz) (CAS 14808-60-7)

Known To Be Human Carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Crystalline silica (Quartz) (CAS 14808-60-7) Cancer

Reproductive toxicityNot 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)

Aquatic

Fish LC50 Fathead minnow (Pimephales promelas) > 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 instructionsDispose 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

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78 and

the IBC Code

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15. Regulatory information

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication **US federal regulations**

Standard, 29 CFR 1910.1200.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Crystalline silica (Quartz) (CAS 14808-60-7) Cancer

lung effects

immune system effects

kidney effects

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

Yes SARA 311/312 Hazardous

chemical

Carcinogenicity Classified hazard

Specific target organ toxicity (single or repeated exposure) categories

SARA 313 (TRI reporting)

Not regulated.

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 Not regulated.

(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

Calcium sulfate (CAS 7778-18-9)

Crystalline silica (Quartz) (CAS 14808-60-7)

Perlite (CAS 93763-70-3)

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

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

Calcium sulfate (CAS 7778-18-9)

Crystalline silica (Quartz) (CAS 14808-60-7)

Perlite (CAS 93763-70-3)

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

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

Calcium sulfate (CAS 7778-18-9)

Crystalline silica (Quartz) (CAS 14808-60-7)

Perlite (CAS 93763-70-3)

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

US. Rhode Island RTK

Crystalline silica (Quartz) (CAS 14808-60-7)

Dolomite (CAS 16389-88-1)

California Proposition 65

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WARNING: This product can expose you to Crystalline silica (Quartz), which is known to the State of California

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to cause cancer. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

Crystalline silica (Quartz) (CAS 14808-60-7) Listed: October 1, 1988

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US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Crystalline silica (Quartz) (CAS 14808-60-7) Dolomite (CAS 16389-88-1)

International Inventories

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

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

Issue date 29-January-2014 **Revision date** 05-March-2019

Version #

Crystalline silica: Raw materials in this product contain respirable crystalline silica as an impurity. **Further information**

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.

NFPA ratings



This information is provided without warranty. The information is believed to be correct. This Disclaimer

information should be used to make an independent determination of the methods to safeguard

workers and the environment.

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^{*}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).