Grout 1000 Safety Data Sheet





Section 1	Product Description
Product Name:	Strong-Seal® Grout 1000
Synonyms:	Grout 1000, 1000
General Use:	To provide a cementitious grout for filling voids behind substrates for leak and subsidence control and for filling abandoned lines.
Product Description:	A portland cement product blended with pozzolans.
Manufacturer:	The Strong Company, Inc. 4505 Emmett Sanders Road Pine Bluff, AR 71601
Chemical Information:	(870) 535-7617
Emergency Number:	(800) 982-8009

Carcinogenicity, Category 1A

May cause cancer.

Section 2 Hazards Identification

Classification of the product in accordance with paragraph (d) of §1910.1200;



Warning: This product can expose you to chemicals including crystalline, silica, propylene oxide, ethylene oxide, and 1,4-Dioxane, which are known to the state of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

GHS Classification

Skin Corrosion/Irritation, Category 1A Serious Eye Damage/Eye Irritation, Category 1 Skin Sensitization, Category 1

Hazard Statements:

Causes severe skin burns and eye damage. Causes serious eye damage. May cause an allergic skin reaction. May cause respiratory irritation.

Precautionary Statements: Prevention:

Obtain special instructions before use.

Do not handle until all instructions have been read and understood.

Do not breathe dust.

Wash hands, forearms, and other exposed areas thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves, clothing, and eye and face protection.

Use personal protective equipment as required.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash with plenty of soap and water. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. IF exposed or concerned: Immediately call a POISON CENTER or physician.

Specific treatment (see Section 4)

Storage:

Store locked up.

Store in a dry, well-ventilated place.

Keep product sealed in original packaging until use.

Disposal:

Dispose of contents and container in accordance with local, regional, national, and international regulations.

Specific Target Organ Toxicity Single Exposure, Category 3 Specific Target Organ Toxicity Repeat Exposure, Category 2

May cause damage to lungs through prolonged or repeated inhalation.

Section 3	Composi					
Chemical Nam	ne:	Common Name:	CAS #:	Weight %:*		
ortland ceme	ent	Portland cement	65997-15-1	<40%		
y ash		Fly ash	68131-74-8	<80%		
rystalline silico		Quartz	14808-60-7	<3%		
	ction, all sources			<3%		
		as trade secrets of The Strong Co	ompany, Inc.			
ection 4	First-Aid I	Neasures				
halation:		ve to well-ventilated place. If breathing difficulty occurs, administer oxygen. Seek medica hing and other medical symptoms do not subside.				
ye Contact:	the lids to remove	eyes with copious amounts of we all particles. Call a physician im	mediately if irritation persists.	-		
kin Contact:	Wash skin with pH-neutral soap and water. Apply moisture renewing lotions to heal dry, irritated medical attention in all cases of severe irritation or burns.					
ngestion:	immediately.	miting. If conscious, have the vi	ctim drink plenty of water and c	call a physician		
ection 5	Fire-Fight	ing Measures				
eneral Hazar	ds:	Product is not hazardous durir	ng normal fire-fighting procedur	es and contains less th		
		1% organic substances that m	ay produce smoke, fumes, and	l/or hazardous gases.		
xtinguishing N			nemical, or foam may be used i	f smoldering occurs.		
re-Fighting Pr		No special protection required	d.			
	losion Hazards:	No fire or explosion hazards.				
	nbustion Products:		e, or carbon monoxide may be	released.		
ection 6	A a a i d a a i	al Release Measures				
	Accident	ul keleuse meusoles				
		not considered hazardous acco	ording to RCRA (40 CFR Part 261). Follow personal		
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Section 9	Physical and Chemical Propertie				
Formula:	See Section 3	Specific Gravity:	Varies (n		
Appearance:	Gray to brown powder Odorless	Vapor Pressure: Evaporation Rate (BuA	N/A (soli		
Odor: Lower Flammability Limi		Vapor Density (Air = 1)			
pH:	11 – 13 (10% slurry in water)	Solubility in Water:		u)	
Melting Point:	N/A	Viscosity:	N/A (soli	d)	
Boiling Point:	N/A	Volatile Organic Com			
Section 10	Stability and Reactivity		,		
Reactivity:		water and produces ar	exothermic reaction	on (heat) and	
	caustic calcium hy				
Stability:	Stable under norma				
Conditions to Avoid:	Unintentional conto				
Incompatible Materials:	Aluminum powder	and other alkali and alk	aline earth element	rs react with	
	product to liberate	hydrogen gas. Acids vi	olently react with p	roduct and	
		mount of heat. Hydroflu		ve the silica found	
		, fly ash, and masonry so	and.		
Hazardous Decompositi					
Hazardous Polymerization					
Section 11	Toxicological Information				
Route(s) of Entry:	Inhalation, eye contact, skin contac				
Target Organs:	Acute: Eyes, Respiratory System				
	Chronic: Respiratory System, Imm				
Acute Symptoms:	Inhalation of the product can irritate				
	sneezing, runny nose, and/or cough nose can cause mild irritation to sev				
	with water immediately. Skin contact can cause dryness or cracking and trigger dermatitis in sensitive individuals. Ingestion of small amounts may cause nausea and is not known to be				
	harmful; however, ingestion of large amounts can lead to severe burns of the mouth, throat,				
	stomach, and digestive tract.				
Delayed Symptoms:	Prolonged skin and moist tissue cont	act can lead to delaye	d chemical burns th	nat may range from	
	mild to third degree. Burns can develop with little to no warning as pain or discomfort is normally				
	not felt immediately after contact. Full extent of the damage may not be felt until several hour after contact. As such, pain or discomfort should not be used to determine the severity of burn				
	Always use pH-neutral soap and wa	,		•	
Chronic Symptoms:	Prolonged or repeated exposure to				
	Dermatitis may occur in individuals with repeated exposure due to the presence of small amounts of hexavalent chromium in portland cement. Crystalline silica is listed by the IARC as a known				
	carcinogen and causes the chronic				
	the risk of contracting tuberculosis.				
	and renal disorders.				
Acute Toxicity		0.115.50	B		
Chemical Name:	CAS #:	Oral LD50:	Dermal LD50:	Inhalation LC50:	
Portland cement	65997-15-1	Not determined	Not determined	Not determined	
Fly ash	68131-74-8 14808-60-7	Not determined Not determined	Not determined Not determined	Not determined Not determined	
Crystalline silica	14000-00-7				
Carcinogenicity					
Chemical Name:	CAS #:	IARC:	NTP:	OSHA:	
Portland cement	65997-15-1	Not listed	Not listed	Not listed	
Fly ash	68131-74-8	Not listed	Not listed	Not listed	
Crystalline silica	14808-60-7	Listed, Group 1	Listed, Known	Not listed	

Section 12	Ecological Infor	mation				
Overview:	Product is not expected to present an ecological hazard.					
Mobility:	Product is a solid and is expected to have low to zero mobility in soil.					
Persistence:	Product is expected to persist in the environment for an extensive period of time as it changes					
Degradability:	from a fine powder to a hard solid when exposed to water. Product is not expected to biodegrade quickly.					
Other Adverse Effects:	None known.					
Section 13	Disposal Considerations					
Overview:	-		dous waste under RCRA 40 CFR	? Part 261.		
Disposal Methods:			e with local, state, and federa			
Washe Disa soul Conta(s)		iste dispose	r to ensure compliance. Refer	to Section	8 to minimize ex	posure.
Waste Disposal Code(s)		1.				
Section 14	Transport Inform					
Overview:		hazardous	substance under U.S. DOT reg			
UN No.: UN Shipping Name:	N/A N/A		Hazard Class: Packing Group No.:	N/A N/A		
Section 15	Regulatory Information					
OSHA HCS:			product are considered hazard	tous chemi	icals under this re	aulation
OSHA HOS.			in an employer's Hazard Com			golation
TSCA Status:	All non-proprietary components in this product are on the TSCA Inventory.					
FHSA:	This product i	s considere	d a hazardous substance unde	er the act c	and is subject to i	ts statutes.
Reporting Requirements	:	EI	PCRA (SARA Title III)		CERCLA	CAA
Chemical Name:	§ 302:	§ 304:	§ 311: § 312:	§ 313:	40 CFR 302:	112(r)
Portland cement	No	No	Yes, 10,000 lb Yes, 10,000 lb	No	No	No
Fly ash	No	No	Yes, 10,000 lb Yes, 10,000 lb	No	No	No
Crystalline silica	No	No	Yes, 10,000 lb Yes, 10,000 lb	No	No	No
California Prop. 65:	Components of or reproductive		t are known to the State of Cal	lifornia to c	ause cancer, bir	th defects,
Section 16	Other Informatio	on				

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to The Strong Company, Inc. that we believe to be accurate. The Strong Company, Inc. makes no representation or guarantee as to the suitability of this information to a particular application of this product covered in this (Material) Safety Data Sheet. Users have the responsibility to comply with all health, safety, and environmental laws and regulations when using this product and should determine the suitability of this product for its intended use.

Glossary

	ACGIH	American Conference of Governmental	IARC	International Agency for Research on Cancer
		Industrial Hygienists	LD(C)50	Median Lethal Dose (Concentration)
	САА	Clean Air Act	OSHA	Occupational Safety and Health Administration
,	CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
,	CERCLA	Comprehensive Environmental Response,	N/A	Not Available or Not Applicable
		Compensation, and Liability Act	NTP	National Toxicology Program
,	CFR	Code of Federal Regulations	RCRA	Resource Conservation and Recovery Act
	DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization
				Act
	EPCRA	Emergency Planning and Community Right-to-	TLV	Threshold Limit Value
		Know Act	tsca	Toxic Substances Control Act
	FHSA	Federal Hazardous Substances Act	TWA	8-Hour Time Weighted Average
	HCS	Hazard Communication Standard		- •