
SAFETY DATA SHEET

Section 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: SimpleSet® Pre-Mixed Thin-Set Mortar

Product Code: Not Available

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Product Use: Adhesive

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEETS

Name/Address: Custom Building Products
Five Concourse Parkway, Suite 1900
Atlanta, GA 30328

Telephone Number: 1-(800)-272-8786

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Telephone Number: INFOTRAC 1-800-535-5053 (US and Canada)
INTERNATIONAL + 1-352-323-3500

Section 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR 1910.1200 (OSHA HAZCOM2012)

Eye Irritation	Category 2A
Carcinogenicity	Category 1A
Specific Target Organ Toxicity—Repeated Exposure	Category 1

2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

2.2a SIGNAL WORD:
DANGER!

2.2b HAZARD STATEMENTS
Causes serious eye irritation
May cause cancer through inhalation of dust
Causes damage to organs through prolonged or repeated exposure

2.2c HAZARD PICTOGRAMS



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2.2d PRECAUTIONARY STATEMENTS

i. PREVENTION	Wash hands thoroughly after handling. Do not breathe dust/fume/vapors. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear impervious gloves/protective clothing/eye protection.
ii. RESPONSE	If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. If exposed or concerned: get medical advice/attention.
iii. STORAGE	Store in a well-ventilated place. Store locked up. Keep container tightly closed.
iv. DISPOSAL	Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations.

2.3 ADDITIONAL INFORMATION

2.3a HNOC – HAZARDS NOT OTHERWISE CLASSIFIED

Not Applicable

2.3b UNKNOWN ACUTE TOXICITY

8.7% of the mixture consists of ingredient(s) of unknown acute toxicity.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

Chemical Name	CAS Number	Weight %
Crystalline Silica, Quartz*	14808-60-7	30 – 60%**
Ethylene Glycol	107-21-1	0.5 – 1.5%**
Titanium Dioxide*	13463-67-7	0.5 – 1.5%**
Mineral Spirits	64742-47-8	0.1 – 1.0%**
Sodium Hydroxide	1310-73-2	0.1 – 1.0%**

*Inhalation of particulates unlikely due to product's physical state.

**Means that the component will fall into one of the ranges specified due to batch-to-batch variability and to protect Confidential Business Information.

Section 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF THE FIRST-AID MEASURES

ROUTES OF EXPOSURE	DESCRIPTION
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for

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several minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

- Skin Contact:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- Inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

ROUTES OF EXPOSURE	DESCRIPTION
Eye Contact:	Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Skin Contact:	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Inhalation:	May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.
Ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

- Note to Physicians:** Symptoms may not appear immediately.
- Specific Treatments:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Section 5: FIRE-FIGHTING MEASURES

5.1 FLAMMABILITY

Flammability: Not Flammable/Not Combustible by WHMIS/OSHA HAZCOM2012 Criteria

5.2 EXTINGUISHING MEDIA

- 5.2a. Suitable Extinguishing Media:**
 Treat for surrounding material

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5.2b. Unsuitable Extinguishing Media:
Not Available

5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

5.3a. Products of Combustion:
May include, and are not limited to: oxides of carbon

5.3b. Explosion Data

- i. **Sensitivity to Mechanical Impact:**
Not Available
- ii. **Sensitivity to Static Discharge:**
Not Available

5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection(SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Methods for Containment: Recover all usable material. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container. Do not flush to sewer or allow entrance to waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleaning-Up: Scoop up material and place in a disposal container. Provide ventilation.

Section 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Handling: Use in well-ventilated areas. Wear impervious gloves and eye protection. Do not mix with other chemical products. Do not get in eyes. Do not get on skin or clothing. Do not breathe dust/fume/vapors. Do not take internally.

General Hygiene Advice: Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

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Storage: Store locked up. Keep out of the reach of children. Keep container tightly closed. Store in a well ventilated place. Do not store at temperatures above 49°C / 120°F. Keep from freezing.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETER Exposure Guidelines

Occupational Exposure Limits		
Chemical Name	OSHA-PEL	ACGIH-TLV
Crystalline Silica, Quartz*	0.05 mg/m ³	0.025 mg/m ³ (Resp.)
Ethylene Glycol	50 ppm	100 mg/m ³
Titanium Dioxide*	5 mg/m ³ (Resp.) 15 mg/m ³ (Total)	10 mg/m ³
Mineral Spirits	Not Available	100 ppm
Sodium Hydroxide	2 mg/m ³	2 mg/m ³

*Inhalation of particulates unlikely due to product's physical state.

8.2 EXPOSURE CONTROLS

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

8.3 INDIVIDUAL PROTECTION MEASURES

8.3a. Personal Protective Equipment:

i. **Eye/Face Protection:** Wear approved eye protection [properly fitted dust- or splash-proof chemical safety goggles/face (face shield)]

ii. Skin Protection:

1. **Hand Protection:** Wear impervious gloves, such as nitrile.

2. **Body Protection:** Wear suitable protective clothing.

iii. **Respiratory Protection:** A NIOSH approved respirator or filtering face piece, such as N95, is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

iv. **General Health and Safety Measures:** Handle according to established industrial hygiene and safety practices. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Wash contaminated clothing before reusing.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES



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Appearance (physical state, color, etc.):	Sanded Paste (Gray Or White)
Odor:	Characteristic
Odor Threshold:	Not Available
pH:	8.5 – 9.5
Melting point/Freezing point:	Not Available
Initial boiling point and boiling range:	Not Available
Flash point:	>212°F(>100°C)
Evaporation rate (Water=1):	Not Available
Flammability:	Not Flammable/Not Combustible
Upper Flammability/Explosive Limit:	Not Available
Lower Flammability/Explosive Limit:	Not Available
Vapor Pressure	Not Available
Vapor Density:	Not Available
Relative Density:	1.80 – 2.00 g/mL
Solubility in Water:	Not Available
Partition coefficient: n-octanol/water:	Not Available
Auto-ignition temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity (cps):	Not Available
VOC Content:	<65 g/L (<0.2% CARB VOC)

Section 10: STABILITY AND REACTIVITY

10.1. REACTIVITY

No dangerous reaction known under conditions of normal use.

10.2. CHEMICAL STABILITY

Stable under normal storage conditions. Keep dry in storage.

10.3. POSSIBILITY OF HAZARDOUS REACTION

No dangerous reaction known under conditions of normal use.

10.4. CONDITIONS TO AVOID

Heat. Incompatible materials.

10.5. INCOMPATIBLE MATERIALS

Strong acids and strong oxidizers.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Upon decomposition, this product may yield oxides of carbon and hydrogen sulfide.

Section 11: TOXICOLOGICAL INFORMATION

11.1. LIKELY ROUTES OF EXPOSURE:

Skin contact, skin absorption, eye contact, inhalation, and ingestion.

11.2. SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS:

Eye Contact: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness

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and swelling.

Skin Contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Inhalation: May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Acute Toxicity (ATE _{mix} = 8,396 mg/kg)		
Chemical Name	LC50	LD50
Crystalline Silica, Quartz	Not Available	Oral: >10,000 mg/kg, rat
Ethylene Glycol	Not Available	Oral: 4,700 mg/kg, rat
Titanium Dioxide	Not Available	Oral: >5,000 mg/kg, rat
Mineral Spirits	Not Available	Oral: >5,500 mg/kg, rat
Sodium Hydroxide	Not Available	Not Available

Carcinogenicity	
Chemical Name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)
Crystalline Silica, Quartz	N-2, I-1, O-1, ACGIH-A2, CP65
Ethylene Glycol	Not Listed
Titanium Dioxide	N-2, I-2B, O-1, ACGIH-A4, CP65
Mineral Spirits	Not Listed
Sodium Hydroxide	Not Listed

11.3. DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE

SHORT-TERM	
Skin Corrosion/Irritation:	May cause skin irritation
Serious Eye Damage/Irritation:	Causes serious eye irritation
Respiratory Sensitization:	Not Classified
Skin Sensitization:	Not Classified
STOT-Single Exposure:	May cause respiratory irritation
Aspiration Hazard:	Not Classified
LONG-TERM	
Carcinogenicity:	May cause cancer through inhalation of dust
Germ Cell Mutagenicity:	Not Classified
Reproductive Toxicity:	Not Classified
STOT-Repeated Exposure:	Causes damage to organs through prolonged or repeated exposure
Synergistic/Antagonistic Effects:	Not Classified

Section 12: ECOLOGICAL INFORMATION

12.1. ECOTOXICITY

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May cause long-term adverse effects to the aquatic environment. Keep from entry into sewers and waterways.

Ecotoxicity		
Chemical Name	EC50/NOEC-48 Hours	LC50/NOEC-96 Hours
Crystalline Silica, Quartz	Not Available	Not Available
Ethylene Glycol	74,000 mg/L, Daphnia magna	18,500 mg/L, Oncorhynchus mykiss
Titanium Dioxide	Not Available	Not Available
Mineral Spirits	20 mg/L, Daphnia magna	20 mg/L, Fish
Sodium Hydroxide	>35 mg/L, Ceriodaphnia dubia	125 mg/L, Gambusia affinis

12.2. PERSISTENCE AND DEGRADABILITY

Not Available

12.3. BIOACCUMULATIVE POTENTIAL

Not Available

12.4. MOBILITY IN SOIL

Not Available

12.5. OTHER ADVERSE EFFECTS

Not Available

Section 13: DISPOSAL CONSIDERATIONS

13.1. DISPOSAL METHOD

Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

13.2. OTHER DISPOSAL CONSIDERATIONS

Not Available

Section 14: TRANSPORT INFORMATION

DOT (U.S.)	TDG (CANADA)	IATA
UN NUMBER: Not Regulated	UN NUMBER: Not Regulated	UN NUMBER: Not Regulated
UN PROPER SHIPPING NAME: Not Regulated	UN PROPER SHIPPING NAME: Not Regulated	UN PROPER SHIPPING NAME: Not Regulated
TRANSPORT HAZARD CLASS (ES): Not Regulated	TRANSPORT HAZARD CLASS (ES): Not Regulated	TRANSPORT HAZARD CLASS (ES): Not Regulated
PACKING GROUP (if applicable): Not Regulated	PACKING GROUP (if applicable): Not Regulated	PACKING GROUP (if applicable): Not Regulated

SUMMARY: Product is NOT regulated under DOT/TDG and other transportation regulations.

14.1. ENVIRONMENTAL HAZARDS

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Not Available

14.2. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not Available

14.3. SPECIAL PRECAUTIONS FOR USER

Do not handle until all safety precautions have been read and understood.

Section 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL


Canada: This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

US: SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

15.2. US FEDERAL INFORMATION:

CHEMICAL NAME	SARA TITLE III			
	SECTION 302 (EHS) TPQ (LBS)	SECTION 304 EHS RQ (LBS)	CERCLA RQ (LBS)	SECTION 313 (TRI)
Crystalline Silica, Quartz	Not Listed	Not Listed	Not Listed	Not Listed
Ethylene Glycol	Not Listed	Not Listed	Not Listed	Listed
Titanium Dioxide	Not Listed	Not Listed	Not Listed	Not Listed
Mineral Spirits	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Hydroxide	Not Listed	Not Listed	Listed	Not Listed

15.3. US STATE RIGHT TO KNOW LAWS:

California Proposition 65:	 WARNING: This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer, and ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov .
Other U.S. States "Right to Know" Lists:	Silica, Quartz: CAS#14808-60-7 Ethylene Glycol: CAS#107-21-1 Titanium Dioxide: CAS#13463-67-7 Mineral Spirits: CAS#64742-47-8 Sodium Hydroxide: CAS#1310-73-2

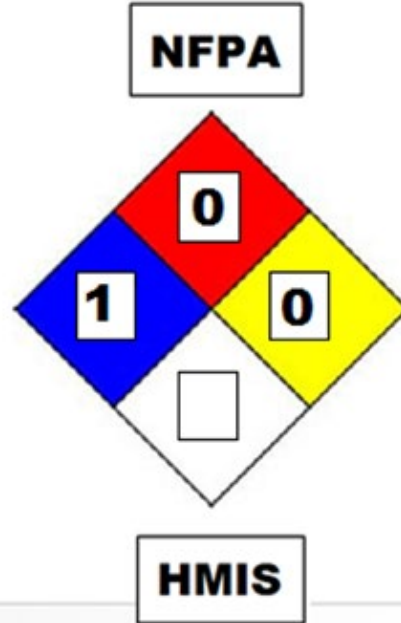
15.4. GLOBAL INVENTORIES

Chemical Name	USA TSCA	Canada DSL/NDL
Crystalline Silica, Quartz	TSCA	DSL
Ethylene Glycol	TSCA	DSL
Titanium Dioxide	TSCA	DSL
Mineral Spirits	TSCA	DSL
Sodium Hydroxide	TSCA	DSL












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15.5. NFPA AND HMIS RATINGS:

HEALTH HAZARD 4 EXTREME - Highly toxic. May be fatal on short term exposure. 3 SERIOUS - Toxic. Full protective suit and breathing apparatus should be worn. 2 MODERATE - Breathing apparatus and face mask must be worn. 1 SLIGHT - Breathing apparatus may be worn. 0 MINIMAL - No precautions necessary.	FLAMMABILITY HAZARD 4 EXTREME - Extremely flammable gas or liquid. Flash Point below 72°F. 3 SERIOUS - Flammable. Flash Point 73°F to 300°F. 2 MODERATE - Combustible. Requires moderate heating to ignite. Flash Point below 200°F. 1 SLIGHT - Slightly combustible. Requires strong heating to ignite. 0 MINIMAL - Will not burn under normal conditions.
SPECIFIC HAZARD OXIDIZER OXY ACID ACID ALKALI ALK CORROSIVE COR Use NO WATER W RADIATION R	INSTABILITY HAZARD 4 EXTREME - Explosive at room temperature. 3 SERIOUS - May detonate if shocked or heated under confinement or mixed with water. 2 MODERATE - Unstable. May react with water. 1 SLIGHT - May react if heated or mixed with water. 0 MINIMAL - Normally stable. Does not react with water.



Hazard Index	
4	Severe Hazard
3	Serious Hazard
2	Moderate Hazard
1	Slight Hazard

1 HEALTH	PROTECTIVE EQUIPMENT INDEX	
0 FLAMMABILITY	A 	G 
0 REACTIVITY	B 	H 
E PERSONAL PROTECTION	C 	I 
	D 	J 
	E 	K 
	F 	X Ask your supervisor for special handling instructions.

15.6. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

CP65	California Proposition 65
OSHA (O)	Occupational Safety and Health Administration
ACGIH (G)	American Conference of Governmental Industrial Hygienists <ul style="list-style-type: none"> A1 – Confirmed human carcinogen A2 – Suspected human carcinogen A3 – Animal carcinogen A4 – Not classifiable as a human carcinogen A5 – Not suspected a human carcinogen
IARC (I)	International Agency for Research on Cancer <ul style="list-style-type: none"> 1 – The agent (mixture) is carcinogenic to humans 2A – The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient

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	evidence of carcinogenicity in experimental animals. <ul style="list-style-type: none"> • 2B – The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals. • 3 – The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans. • 4 – The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.
NTP (N)	National Toxicology Program <ul style="list-style-type: none"> • 1 – Known to be carcinogens • 2 – Reasonably anticipated to be carcinogens

Section 16: OTHER INFORMATION

Date of Preparation: January 27, 2015

Version: 2.2

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Disclaimer: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products

Prepared by: Custom Building Products
 Phone: (800) 272-8786
www.custombuildingproducts.com

End of Safety Data Sheet