

SAFETY DATA SHEET

Section 1: Identification

1.1 Product identifier:

CertainTeed Finishing Products, Ready-Mix Joint Compounds, Ready-Mix Non-Aggregated Textures

US Product Names:

CertainTeed All-Purpose
CertainTeed Easi-Tex Spray Texture
CertainTeed Extra All-Purpose
CertainTeed Extreme All-Purpose
CertainTeed Lite All-Purpose
CertainTeed Lite Taping
CertainTeed Lite Topping
CertainTeed Mold Resistant
CertainTeed One Multi-Purpose
CertainTeed Taping
CertainTeed Topping
Easi-Fil All-Purpose
Dust Away Reduced Dust Drywall Compound
Dust Away Roll-On All-Purpose

1.2 Recommended Uses:

Ready-Mix Drywall Finishing

Restrictions on use: None identified

1.3 Supplier:

CertainTeed Gypsum, Inc.
20 Moores Road
Malvern, PA 19355
Web Site: www.certainteed.com

1.4 Emergency telephone number:

In case of an emergency call
1-888-255-3924 (24 hours)

Section 2: Hazards Identification

2.1 Classification:

Not classified under any hazard class according to US Hazard Communication Standard (HCS 2012)

2.2 Label elements:

Not classified, no label elements assigned.

2.3 Other hazards:

Sanding or other processes that generate dust from the dried compound may generate inhalable dusts. Dusts may cause eye irritation by abrasion and respiratory irritation. Long-term inhalation exposure to dusts containing respirable size Crystalline silica can cause silicosis and lung cancer.

CertainTeed Gypsum tested the dust emissions from sanding of ready-mix joint compounds. The tests showed that respirable Crystalline silica was either not detected, or if detected, the concentration was below the occupational exposure limit of 25 µg/m³. (See Section 15, Dust Emission Study)

SAFETY DATA SHEET

Section 3: Composition/Information on Ingredients

Chemical Name	CAS RN®	Wt. %
Limestone	1317-65-3	60 - 90
Kaolin clay	1332-58-7	< 10
Attapulgite (Palygorskite)	12174-11-7	< 5
Talc	14807-96-6	< 4
Crystalline silica– naturally occurring contaminant in earth minerals Limestone, talc and clay.	14808-60-7	Respirable ¹ : <0.4
1. Analysis for total and respirable Crystalline silica by X-Ray Diffraction(XRD) and Computer-Controlled Scanning Electron Microscopy (CCSEM)		

Section 4: First-Aid Measures

4.1 Description of first-aid measures:

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If exposed or concerned: Get medical advice.

Eye Contact: If in eyes: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists get medical attention.

Skin Contact: If on skin, wash with plenty of soap and water. If skin irritation or rash occurs get medical advice. Take off contaminated clothing and wash it before reuse.

Ingestion: If swallowed, call a POISON CENTER or doctor. Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth thoroughly with water. Do not induce vomiting.

4.2 Most important symptoms / effects acute and delayed:

Inhalation: Exposures to airborne dust may cause irritation to the upper respiratory tract; symptoms of exposure may include sneezing, coughing and sore throat.

Prolonged or repeated exposure to fine airborne Crystalline silica dust may cause severe scarring of the lungs, a disease called silicosis. Symptoms of silicosis include cough, mucous production, shortness of breath upon exertion. The symptoms of silicosis develop following long-term exposures to airborne dusts containing silica. May cause lung cancer by inhalation.

Eye Contact: Dust particles may cause irritation as an abrasive in the eye.

Skin Contact: Prolonged skin contact may be abrasive to the skin.

Ingestion: Swallowing is not expected under normal conditions of use. If swallowed, may cause gastrointestinal discomfort.

4.3 Indication of any immediate medical attention and special treatment needed:

Not applicable

Section 5: Fire-fighting Measures

5.1 Extinguishing media:

Use water and other extinguishing media appropriate to the surrounding fire conditions.

5.2 Specific hazards arising from the product:

Product is not flammable and does not support combustion.

Under fire conditions product may decompose into sulfur oxides, calcium oxide and carbon dioxide at very high temperatures (>800°C / 1475°F).

5.3 Special protective equipment and precautions for fire-fighters:

As for any fire, evacuate the area and fight the fire from a safe distance. Firefighters must wear full protective equipment including self-contained breathing apparatus with chemical protection clothing when firefighters are exposed to decomposition products from this material.

SAFETY DATA SHEET

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear adequate personal protective equipment, including an appropriate respirator as indicated in Section 8. Isolate spill area, preventing entry by unauthorized persons. Ventilate the spill area if airborne dust is present.

6.2 Environmental precautions:

Prevent releases into the environment.

6.3 Methods and material for containment and cleaning up:

Use methods that avoid raising dust in the air. Scoop or shovel spilled material or vacuum dust with equipment fitted with a HEPA filter and place in a closed, labelled waste container. Small spills may be picked up with a damp cloth or mop.

Section 7: Handling and Storage

7.1 Precautions for safe handling:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe airborne dusts.
Minimize dust generation and accumulation.
Wear protective goggles and gloves.
In workplaces where occupational exposure limits are exceeded, wear appropriate respiratory protection. (See Section 8).
Read the label and follow the directions for mixing.
Wash hands and exposed skin thoroughly after handling.
Do not eat, drink or smoke in the workplace where this product is handled.

7.2 Conditions for safe storage, including any incompatibilities:

Store in dry conditions and protected from weather.
Protect from moisture and humidity.
Keep out of reach of children.

Section 8: Exposure Controls / Personal Protection

8.1 Control parameters:

Occupational Exposure Limits: Consult local authorities for state or province specific exposure limits.

Chemical name	ACGIH® TLV®	U.S. OSHA PEL
Limestone	Not established	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
Kaolin clay	2 mg/m ³ (respirable)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
Attapulgite Palygorskite fibres (fibers > 5 µm)	Not established	Not established
Talc	2 mg/m ³ (respirable)	20 mppcf* (less than 1% Crystalline silica)
Respirable Crystalline silica	0.025 mg/m ³	25 µg/m ³ (8 hour TWA) 29 CFR 1926.1153

*mppcf: Million particles per cubic foot of air.

SAFETY DATA SHEET

Section 8: Exposure Controls / Personal Protection, continued

8.2 Exposure controls:

Engineering Controls: General ventilation is adequate for application of product in its original form. If airborne particulates are generated, monitor dust concentrations in air and provide local exhaust ventilation sufficient to keep exposure to dust below the applicable exposure limits in the jurisdiction.

If engineering controls and work practices are not effective in controlling exposure to this material or if adverse health symptoms are experienced, then wear suitable personal protection equipment including approved respiratory protection. Have appropriate equipment available for use in emergencies such as spills or fire.

Eye/Face Protection: Wear safety goggles.

Skin Protection: Wear protective gloves. Launder contaminated clothing before re-wearing, or discard.

Respiratory Protection: When dust concentrations in air exceed the occupational exposure guidelines, always take the following precautions:

- Wear a NIOSH approved dust respirator.
- Maintain adequate ventilation and air circulation.
- Warn others in the area.
- Use a NIOSH approved respirator when dust levels exceed any of the exposure guidelines listed in the table above.

NIOSH recommendations for Crystalline silica (respirable dust); concentrations in air:

UP TO 0.5 mg/m³: Air-purifying respirator with high-efficiency particulate filter(s).

UP TO 1.25 mg/m³: Powered air-purifying respirator with high-efficiency particulate filter; or SAR operated in a continuous-flow mode.

UP TO 2.5 mg/m³: Full-facepiece air-purifying respirator with high-efficiency particulate filter(s); or powered air-purifying respirator with tight-fitting facepiece and high-efficiency particulate filter.

UP TO 25 mg/m³ Positive pressure SAR.

A respiratory protection program that meets the regulatory requirement, such as OSHA's 29 CFR 1910.134, ANSI Z88.2 or Canadian Standards Association (CSA) Standard Z94.4, must be followed whenever workplace conditions warrant a respirator's use.

Other Protection: Have a safety shower and eyewash fountain readily available in the work area.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance:	Semi-solid, paste. Off-white.
Odor:	Odorless
Odor threshold:	Not applicable
pH:	7 – 8.5(aqueous slurry)
Melting point/freezing point:	Similar to water (< 0°C)
Initial boiling point and boiling range:	Similar to water (~ 100°C)
Flash point:	Not applicable
Flammability:	Not flammable or combustible
Auto-ignition temperature:	Not available
Upper/lower flammability or explosive limits:	Not applicable
Evaporation rate:	Not applicable
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Relative density:	0.8 – 1.7 (water=1)
Solubility (ies):	Low solubility in water
Partition coefficient (n-octanol/water):	Not applicable
Decomposition temperature:	825°C (1517°F) for limestone
Viscosity:	Not applicable

SAFETY DATA SHEET

Section 10: Stability and Reactivity

10.1 Reactivity:

Not classified for reactivity hazards. Mixing with water generates heat.

10.2 Chemical Stability:

Stable at normal ambient and anticipated storage and handling conditions.

10.3 Possibility of Hazardous Reactions:

None known.

10.4 Conditions to Avoid:

Avoid unintended contact with water/moisture.

10.5 Incompatible Materials:

Strong acids - Incompatible with strong acids (HF); may react vigorously. Reaction with acids generates carbon dioxide gas.

10.6 Hazardous Decomposition Products:

Calcium oxide may form if product is exposed to extreme heat 825°C (1517°F).

Section 11: Toxicological Information

11.1 Information on toxicological effects:

Likely routes of exposure

Inhalation; Skin contact; Eye contact.

Acute toxicity

Inhalation: Data not available. None of the component substances are toxic or harmful by inhalation.

Ingestion: Data not available. None of the component substances are toxic or harmful if swallowed.

Skin: Not absorbed through the skin.

Acute toxicity data:

Acute toxicity estimate (oral) of the mixture: ~100,000 mg/kg (rat) based on data for the component substances.

Low dermal and inhalation acute toxicity based on evidence from animal tests.

<u>Chemical name</u>	<u>LD₅₀ Oral</u> (mg/kg)	<u>LD₅₀ Dermal</u> (mg/kg)	<u>LC₅₀ Inhalation</u> (ppm, 4 hrs.)
Limestone	6450 (rat)	Not available	Not available

Skin corrosion / irritation

Data not available. May cause skin dryness and abrasive irritation in contact with the skin.

Serious eye damage / irritation

Particulates in the eye may cause irritation by mechanical action.

STOT (Specific Target Organ Toxicity) – Single exposure

Data not available

STOT (Specific Target Organ Toxicity) – Repeated exposure

Prolonged and repeated breathing of high concentrations of dusts may cause pulmonary fibrosis and silicosis.

Silicosis can develop following years of repeated inhalation of airborne dust containing respirable Crystalline silica. Silicosis is characterized by lung lesions. Symptoms of silicosis include shortness of breath and cough, decreased lung function and weakness.

There is limited evidence of kidney disease in humans following occupational exposures to Crystalline silica.

Aspiration hazard

Does not meet criteria for classification for aspiration toxicity.

Sensitization - respiratory and/or skin

Not known to be a skin or respiratory sensitizer.

SAFETY DATA SHEET

11.1 Information on toxicological effects:

Carcinogenicity

Natural mineral Limestone may contain Crystalline Silica as a naturally occurring impurity.

CertainTeed Gypsum tested the dust emissions from sanding of ready-mix joint compounds. The tests showed that respirable Crystalline silica was either not detected, or if detected, the concentration was below the occupational exposure limit of 25 µg/m³. (See Section 15, Dust Emission Study)

<u>Chemical name</u>	<u>IARC</u>	<u>ACGIH®</u>	<u>NTP</u>	<u>OSHA</u> 29 CFR part 1910, Subpart Z
Crystalline silica	Group 1	A2	Known	Respirable Crystalline silica
Palygorskite fibers (Attapulgite) short fibers < 5 µm	Group 3	Not listed	Not listed	Not listed
Palygorskite fibers (Attapulgite) long fibers > 5 µm	Group 2B	Not listed	Not listed	Not listed

Reproductive toxicity

Data not available

Germ cell mutagenicity

Data not available

Interactive effects

Tobacco smoking in combination with long-term high dust exposures may increase both smoking and dust-related pulmonary health problems. Simultaneous exposure to known carcinogens can increase the carcinogenicity of Crystalline silica.

Persons who develop silicosis have a higher risk of contracting tuberculosis if exposed to the tuberculosis bacteria.

Section 12: Ecological Information

12.1 Toxicity:

Ecotoxicity data are not available. Composed of naturally occurring earth minerals.

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 methods:

Do NOT discharge into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage.

The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user. Dispose of contents/container in accordance with local, regional, national and international regulations.

SAFETY DATA SHEET

Section 14: Transport Information

14.1 UN Number

Not regulated by international transport regulations (IMDG, UN Model Regulations).

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not available

14.6 Special precautions for user

Not available

14.7 U.S. Hazardous Materials Regulation (DOT 49CFR):

Not regulated

14.8 Canada Transportation of Dangerous Goods (TDG) Regulations:

Not regulated

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Analytical results for hazardous substances

Dust Emission Study:

CertainTeed Gypsum contracted with an independent third-party test laboratory to conduct industrial hygiene tests on the release of respirable Crystalline silica during the application and sanding of our joint compound products. Initially a bulk analysis was conducted on the majority of joint compounds to identify three products representative of the complete joint compound product line to be used in the application and sanding phase of the test program. The effects of three different grit abrasive papers (fine, medium and coarse) were evaluated with a manual hand pole method during the sanding operation. Air samples were collected within the breathing zone of the worker and within the test chamber during each sanding operation on multiple samples of each joint compound. These tests have shown that none of the air samples collected exceeded the OSHA PEL (Permissible Exposure Limit) or ACGIH® TLV® (Threshold Limit Value) for total or respirable dust. Respirable Crystalline silica was either **not** detected, or if detected, the concentration was below the OSHA Action Level of 25 µg/m³ for all of the air samples collected. Testing has also shown that CertainTeed Dust Away technology offers the lowest levels of both nuisance and respirable dust air concentrations of all the compounds tested.

Further Information: Marketing Technical Services
1-800-446-5284

No Asbestos fibers detected in Asbestos fibers analysis by polarized light microscopy (EPA/600/R-93/116 & EPA/600/M4-82-020)

USA

TSCA Status: Substances are listed on the TSCA inventory or are exempt.

California Prop 65:



WARNING: This product can expose you to chemicals including Crystalline silica which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Canada

NSNR Status: Component substances are listed on the on the DSL or are exempt.

SAFETY DATA SHEET

Section 16: Other Information

Revision date:

September 12, 2018

Revision details:

Previous version: December 22, 2017
Section 3, 8, 11 added Attapulgate.
Section 15, added California Prop 65 warning text.

References and sources for data:

CCOHS, Cheminfo
RTECS, Registry of Toxic Effects of Chemical Substances
NIOSH, Pocket Guide to Chemical Hazards.

Legend to abbreviations:

ACGIH® – American Conference of Governmental Industrial Hygienists
GHS- Globally Harmonized System for Classification and Labeling.
IARC - The International Agency for Research on Cancer
NTP – National Toxicology Program
OEL– Occupational exposure limit
OSHA - Occupational Safety and Health Administration
TWA – Time weighted average
TLV® - Threshold Limit Value

Additional information:

Information listed is believed to be accurate but not warranted or guaranteed.