

Temple-Inland**MATERIAL SAFETY DATA SHEET****1 PRODUCT AND COMPANY IDENTIFICATION**

Product Name: GreenGlass
Synonyms: Gypsum wallboard
Molecular Formula: Not applicable
Molecular Weight: Not applicable

Supplier:
Temple-Inland Forest Products Corporation
P.O. Drawer N
Diboll, Texas 75941

Emergency Telephone:
936-829-5511 (Monday - Friday, 8AM - 5PM
(Central Time))

GreenGlass is a sandwiched panel product composed of varying amounts of rehydrated calcium sulfate hemi-hydrate rock, synthetic gypsum or salvage gypsum which may or may not contain varying percentages of amorphous silica, calcium carbonate and fibrous glass between a face and back glass mat skins.

2 HAZARDS IDENTIFICATION

General Information: Under normal handling, the product is expected to pose low health hazards as the ingredients are firmly embedded in a solid matrix. Dusts generating from sawing, sanding, or machining of this panel may pose the health hazards described in this MSDS.

Emergency Overview

Physical State: Solid (panel)
Color: Varies with formulation
Odor: Varies with formulation

CAUTION!

Airborne dust concentrations may cause eye, skin and respiratory tract irritation.

Potential Health Effects

Inhalation: Minimal exposure to airborne dust is expected; however, dust may cause irritation of the nose, throat, airways, and result in coughing and sneezing.

Eye Contact: Minimal exposure to airborne dust is expected; however, dust from mechanical abrasion may irritate the eyes. Symptoms may include watering and redness.

Skin Contact: Minimal exposure to airborne dust is expected; however, prolonged and/or repeated contact with dust may cause drying, cracking, and irritation.

Ingestion: Not expected to be a route of entry under normal conditions. However, swallowing dust may cause irritation to the gastrointestinal tract.

Chronic Health Effects: None known.

Target Organ(s): Eyes, skin, nasal passages, lung

OSHA Regulatory Status: Non-hazardous in purchased form under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, any dust generated by sawing, sanding or machining this product may be hazardous.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration
gypsum	7778-18-9	0 – 90 %
calcium carbonate	471-34-1	0 – 20 %
other additives	not applicable	0 – 20 %
silica, amorphous	60676-86-0	< 1 %
continuous filament fibrous glass	65997-17-3	< 1 %

Components not listed are not hazardous or are below reportable limits.

4 FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. Treat symptomatically. Get medical attention if symptoms persist. If shortness of breath or wheezing develops, get medical attention.

Eye Contact: In case of contact with dust, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention if symptoms occur.

Skin Contact: In case of contact with dust, wash with mild soap and water. Get medical attention if symptoms occur.

Ingestion: Not expected to be a route of entry. If this product is ingested, irritation of the gastrointestinal tract may occur and should be treated symptomatically. Get medical attention if symptoms occur.

5 FIRE-FIGHTING MEASURES

Extinguishing Media: The product is not flammable. Use appropriate agent for adjacent fire.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire & Explosion Hazards: None known.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, silicon oxides, sulfur oxides.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protective equipment (See Section 8).

Spill Cleanup Methods: Not applicable for product in purchased form. Take measures to either eliminate or minimize the creation of dust. Pick up pieces and dispose of properly. Dust generated from sawing, sanding, or machining may be vacuumed or shoveled for recovery or disposal. Waste may be disposed of by landfill in compliance with federal, state and local requirements.

7. HANDLING AND STORAGE

Handling: No special handling precautions are warranted for product in purchased form.

When the product is sawed, sanded, machined, or other abrading processes, wear appropriate personal protective equipment. See Section 8. Avoid breathing dust. Avoid getting dust into eyes. Avoid prolonged and/or repeated contact with skin and clothing. Use only with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion: Keep away from strong oxidizing agents.

Storage: Store in a cool, dry place. Protect from moisture.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: In its purchased form, this product has no established exposure limits. In processes where this product is sawed, sanded, machined, or other abrading processes, use ventilation to keep dust concentrations below the following exposure limits.

Chemical Name	Source	Type	Exposure Limits	Notes
Continuous filament glass fibers	ACGIH	TWA	1 fiber/cm ³	Irritation, lung
Calcium carbonate	ACGIH	TWA	10 mg/m ³	Irritation
Calcium carbonate, respirable fraction	OSHA	TWA	5 mg/m ³	--
Calcium carbonate, total dust	OSHA	TWA	15 mg/m ³	--
Silica: amorphous, including natural diatomaceous earth	OSHA	TWA	0.8 mg/m ³	--
Calcium sulfate, inhalable fraction	ACGIH	TWA	10 mg/m ³	Nasal symptoms

Chemical Name	Source	Type	Exposure Limits	Notes
Calcium sulfate, respirable fraction	OSHA	TWA	5 mg/m ³	--
Calcium sulfate, total dust	OSHA	TWA	15 mg/m ³	--

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne contaminants below established exposure limits.

Respiratory Protection: If engineering controls do not keep airborne concentrations below established exposure limits, wear a NIOSH-approved respiratory equipped with high efficiency particulate filter. Contact health and safety professionals for specific information.

Eye Protection: Wear safety glasses with side shields (or goggles).

Hand Protection: Wear leather gloves when manually handling this product. Contact glove manufacturer for specific information.

Skin Protection: It is good industrial hygiene practice to minimize skin contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

Color: Varies with formulation

Odor: Varies with formulation

Physical State: Solid (panel)

pH: Not applicable

Boiling Point: Not applicable

Flash Point: Not applicable

Flammability: Not applicable

Flammability Limit – Upper (%): Not applicable

Flammability Limit – Lower (%): Not applicable

Vapor Pressure: Not applicable

Vapor Density (Air=1): Not applicable

Specific Gravity: No data available

Solubility in Water: Insoluble

Partition Coefficient (n-Octanol/water): No data available

Autoignition Temperature: No data available

Decomposition Temperature: No data available

10 STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: Sources of ignition, elevated temperatures, humidity

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Silicon oxides, sulfur oxides, calcium oxides

Possibility of Hazardous Reactions: Will not occur.

11 TOXICOLOGICAL INFORMATION

This product has not been tested for toxicological effects in purchased form.

Listed Carcinogens: None

Acute Effects: The dust, which may be generated during manual or mechanical cutting, drilling, sanding, or other abrading processes and the smoke generated by heating or cutting, may cause temporary irritation of the eyes, skin and respiratory tract.

Chronic Effects: None known.

12 ECOLOGICAL INFORMATION

This product has not been tested for environmental effects.

13 DISPOSAL CONSIDERATIONS

General Information: Dispose of waste and residues in accordance with local authority requirements.

Disposal Methods: No specific disposal method required.

Recycle: This panel is recyclable.

14 TRANSPORT INFORMATION

DOT: Not regulated

IATA: Not regulated

IMDG: Not regulated

15 REGULATORY INFORMATION

Inventory Status

This product or all components are listed on the following inventory: TSCA

US Regulations

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed.

SARA Title III

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): Not listed.

Section 311/312 (40 CFR 370): Not listed.

Section 313 Toxic Release Inventory (40 CFR 372): Not listed.

State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): Not listed.

Pennsylvania Right-To-Know List: Calcium sulfate; silica; fibrous glass dust; limestone

Minnesota Hazardous Substances List: Calcium sulfate; silica (SiO₂); calcium carbonate; fibrous glass dust

New Jersey Right-To-Know List: Silica (amorphous); fibrous glass

16	OTHER INFORMATION
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Hazard Ratings

	Health Hazard	Fire Hazard	Reactivity Hazard	Special Hazard
NFPA	1	0	0	--

	Health Hazard	Fire Hazard	Reactivity Hazard
HMIS	1	0	0

* – Chronic health effect; 0 – Minimal; 1 – Slight; 2 – Moderate; 3 – Serious; 4 – Severe

Revision Information: New

Prepared by: Temple-Inland Forest Products Corporation

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Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.