# SAFETY DATA SHEET

#### 1. Identification

### Product identifier

### Glass Mat Faced Gypsum Panels

#### Product list

Product List A

DensArmor Plus® High Performance Interior Panel DensArmor Plus® Fireguard® Abuse-Resistant Panels DensArmor Plus® Fireguard® Impact-Resistant Panels

DensArmor Plus® Fireguard® Interior Panels

DensDeck® DuraGuard Roof Board DensDeck® Prime Roof Board DensDeck® Roof Board

DensDeck® DuraGuard Fireguard® Roof Board DensDeck® Prime Fireguard® Roof Board

DensDeck® Fireguard® Roof Board

DensElement™ Sheathing DensGlass® Fireguard® Sheathing

DensGlass® Shaftliner DensGlass® Sheathing

DensShield® Firequard® Tile Backer

DensShield® Tile Backer

Fire-Rated GreenGlass® Prime Roof Board Fire-Rated GreenGlass® Sheathing Fire-Rated GreenGlass® Tile Backer Fire-Rated GreenGlass® Roof Board Fire-Rated GreenGlass® Interior Panels

GreenGlass® Prime Roof Board GreenGlass® Roof Board GreenGlass® Sheathing GreenGlass® Tile Backer GreenGlass® Interior Panels

Product List B

DensArmor Plus® Fireguard C® High-Performance Interior Panels

GreenGlass® Shaftliner

#### Other means of identification

Product code

GP-71C

Recommended use

Products accommodate a wide range of wall, floor, ceiling and roof applications.

Recommended restrictions

Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

### Manufacturer/Importer/Supplier/Distributor information

Company name

Georgia-Pacific Gypsum LLC 133 Peachtree Street, NE

Atlanta, GA 30303

Telephone

Address

Technical Information

Chemtrec - Emergency

800.225.6119

(M)SDS Request

404.652.5119

E-mail
Emergency phone number

Not available.

800.424.9300

## 2. Hazard(s) identification

# **Emergency overview**

This product is not hazardous in the form in which it is shipped by the manufacturer but may become hazardous by downstream activities such as cutting, sanding, or otherwise working with this product that generate large amount of dusts. Those hazards associated with large amount of dusts are described below.

Physical hazards

Not classified.

Health hazards

Serious eye damage/eye irritation

Environmental hazards

Not classified.

Category 2B

OSHA defined hazards

Not classified.

Label elements

Hazard symbol

None. Warning

Signal word Hazard statement

Causes eye irritation.

Precautionary statement

Prevention

Observe good industrial hygiene practices. Wash thoroughly after handling.

Response

Wash hands after handling. 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.

Storage

Store away from strong acids.

Disposal

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

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

None.

# 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	onyms CAS number	
CALCIUM SULFATE DIHYDRATE		10101-41-4	60 - 100
VERMICULITE**		1318-00-9	0 - 7
CONTINUOUS FILAMENT GLASS FIBER		65997-17-3	1 - 5
CRYSTALLINE SILICA (QUARTZ)*		14808-60-7	1 - 5

## Composition comments

Gypsum (calcium sulfate, dihydrate) and vermiculite contain naturally occurring crystalline silica (quartz) which is listed as a lung carcinogen. See Section 8 for exposure information.

\*The weight percent for crystalline silica represents total crystalline silica and not the respirable fraction. Testing conducted by Georgia-Pacific did not detect respirable crystalline silica during activities associated with the normal use of this product; however, jobsite air monitoring should be conducted to determine actual exposure when permissible exposure limits may be exceeded.

## 4. First-aid measures

Inhalation

If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.

Skin contact

For skin contact, wash immediately with soap and water. Get medical attention if irritation develops

and persists.

Eye contact

Do not rub the eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, If eye irritation persists: Get medical

advice/attention.

Ingestion

Rinse mouth. May result in obstruction and irritation if ingested. Get medical attention.

Most important symptoms/effects, acute and

delayed

Irritation of eyes, Exposed individuals may experience eye tearing, redness, and discomfort.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Material name: Glass Mat Faced Gypsum Panels

<sup>\*\*</sup> Found in products in List B, Section 16 of this SDS.

## 5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding

environment. None known.

Unsuitable extinguishing

media

Specific hazards arising from

the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

Specific methods
General fire hazards

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

No unusual fire or explosion hazards noted.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Use personal protection recommended in Section 8. Keep unnecessary personnel away. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Methods and materials for containment and cleaning up

Sweep up or gather material and place in an appropriate container for disposal. Minimize dust generation. Utilize wet methods, if appropriate, to minimize dust. For waste disposal, see section 13 of the SDS.

**Environmental precautions** 

Keep out of drains, sewers, ditches, and waterways.

# 7. Handling and storage

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Minimize dust generation and accumulation. Do not breathe dust. Do not get this material in contact with eyes. Do not taste or swallow. Avoid prolonged exposure. Observe good industrial hygiene practices. Use only in well-ventilated areas. Wear appropriate NIOSH approved dust mask or filtering facepiece if dust is generated. Do not eat or drink while using the product. Wash hands before eating, drinking, or smoking.

Conditions for safe storage, including any incompatibilities

Store level and keep dry. Dewpoint or other conditions causing the presence of moisture can damage the product during storage. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

#### Occupational exposure limits

US OSHA Table Z-3: Calculated Time Weighted Average (TWA) (mg/m3)					
Components	Туре	Value	Form		
CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)	TWA	4.29 mg/m3	Total dust.		
		1.43 mg/m3	Respirable.		
	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)				
Components	Туре	Value	Form		
CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4)	PEL	5 mg/m3	Respirable fraction.		
		15 mg/m3	Total dust.		
VERMICULITE** (CAS 1318-00-9)	PEL	5 mg/m3	Respirable fraction.		
		15 mg/m3	Total dust.		
<b>US ACGIH Threshold Limit Value</b>	s: Time Weighted Average (TWA): mg/n	n3, non-standard unit	3		
Components	Туре	. Value	Form		
CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4)	TWA	10 mg/m3	Inhalable fraction.		
CRYSTALLÍNE SILICA (QUARTZ)* (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.		

US. NIOSH: Pocket Guide Components	Туре	Value	Form
CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4)	TWA	5 mg/m3	Respirable.
CRYSTALLINE SILICA (QUARTZ)* (CAS 14808-60-7)	TWA	10 mg/m3 0.05 mg/m3	Total Respirable dust.
iological limit values	No biological exposure limits noted for	or the ingredient(s).	
xposure guidelines	Occupational exposure to nuisance of should be monitored and controlled. exposure limits 8 hour TWA for CRY following equations: 30/(%SiO2+2) may respirable fraction.	Exposure limits for CRYSTALLI STALLINE SILICA (QUARTZ) a	NE SILICA - The US OSHA re calculated from the
	*Testing conducted by Georgia-Pacit associated with the normal use of thi conducted to determine actual expos	s product; however, jobsite air n	nonitoring should be
ppropriate engineering ontrols	Score and snap method recommend ventilation to keep airborne dust con appropriate, to reduce the generation and prevent buildup of any dusts or processing. If engineering measures particulates below the Occupational worn.	centrations below exposure limit of dust. Ventilation should be s umes that may be generated du are not sufficient to maintain co	ts. Use wet methods, if sufficient to effectively remo iring handling or thermal incentrations of dust
dividual protection measure	s, such as personal protective equipm	nent	
Eye/face protection	Safety glasses or goggles are recom OSHA's PPE standard (29 CFR 1910	mended when using this produc	ct. Ensure compliance with protection.
Skin protection			
Hand protection	For prolonged or repeated skin conta	act use suitable protective glove	S.
Other	Impervious protective clothing and gloves recommended to prevent drying or irritation of skin. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 (general) and 138 (hand protection)). Safety shower/eye wash fountain is recommended in the workplace area (29 CFR 1910.151 (c)).		
Respiratory protection	A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas of when permissible exposure limits may be exceeded. Respirators should be selected by and use 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).		
Thermal hazards	Not applicable.		
eneral hygiene onsiderations	Always observe good personal hygie and before eating, drinking, and/or sr equipment to remove contaminants.		
. Physical and chemica	properties		
ppearance	Gypsum boards		
Physical state	Solid.		
Form	Solid		
Color	Facing color varies		
dor	Low odor		
dor threshold	Not available.	•	
H	6 - 8		
leiting point/freezing point	Not applicable.		
itial boiling point and boiling	Not applicable.		

range

Flash point

**Evaporation rate** 

Flammability (solid, gas)

Not applicable.

Not available.

Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Flammability limit - upper

(%)

Not applicable.

Not applicable.

Explosive limit - lower (%)

Explosive limit - upper (%)

Not applicable.

Not applicable.

Vapor pressure

Not applicable.

Vapor density Relative density Not applicable. Not available.

Solubility(ies)

Solubility (water)

0.2 % @ 22°C

Partition coefficient

Not applicable,

(n-octanol/water)

Auto-ignition temperature

Not applicable. Not available.

Decomposition temperature

Not applicable.

Other information

Flash point class

Not flammable

Specific gravity

2.2 - 2.4

# 10. Stability and reactivity

Reactivity

Viscosity

Contact with strong acids produces carbon dioxide.

Chemical stability

Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces

with compressed air).

Strong acids,

Incompatible materials

Hazardous decomposition

products

May include and are not limited to: calcium oxide and sulfur dioxide.

### 11. Toxicological information

## Information on likely routes of exposure

Inhalation

Inhalation of dusts may cause respiratory irritation.

Skin contact

Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Eye contact

Dust in the eyes will cause irritation.

Ingestion

Not applicable under normal conditions of use. May cause gastrointestinal irritation if ingested. Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort.

Symptoms related to the physical, chemical and

toxicological characteristics

### Information on toxicological effects

#### Acute toxicity

**Product** 

Glass	Mat	Faced	Gypsum	Panels
	Α	cute		

Oral

LD50

Rat

1731 mg/kg estimated

Components

Species

Species

**Test Results** 

**Test Results** 

# CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4)

**Acute** 

Oral

LD50

Rat

> 1581 mg/kg

Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

Serious eve damage/eye

irritation

Dust in the eyes will cause irritation.

Respiratory or skin sensitization

Respiratory sensitization

Not likely to cause respiratory sensitization.

Skin sensitization

This product is not expected to cause skin sensitization.

Germ cell mutagenicity

Not classified.

Carcinogenicity

Not expected to be hazardous by OSHA criteria.

Exposure to respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by IARC and NTP as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to a respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of respirable crystalline silica exposure and the length of time (usually years) of exposure.

IARC Monographs. Overall Evaluation of Carcinogenicity

CRYSTALLINE SILICA (QUARTZ)\* (CAS 14808-60-7) 1 Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

US. National Toxicology Program (NTP) Report on Carcinogens

CRYSTALLINE SILICA (QUARTZ)\* (CAS 14808-60-7)

Known To Be Human Carcinogen.

Reproductive toxicity

Not classified.

Specific target organ toxicity -

Not classified.

single exposure

Specific target organ toxicity -

Not classified.

repeated exposure

Not classified.

Aspiration hazard Chronic effects

Not hazardous under normal conditions of use.

12. Ecological information

**Ecotoxicity** 

Not considered to be harmful to aquatic life.

Species

CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4)

Aquatic

Components

Acute

Fish

LC50

Fathead minnow (Pimephales promelas) > 1970 mg/l, 96 hours

CONTINUOUS FILAMENT GLASS FIBER (CAS 65997-17-3)

Aquatic

Acute

LC50

Zebra danio (Danio rerio)

> 1000 mg/l, 96 hours ECHA

**Test Results** 

CRYSTALLINE SILICA (QUARTZ)\* (CAS 14808-60-7)

Aquatic

Acute

Fish

LC50

Zebra danio (Danio rerio)

> 10000 mg/l, 96 Hours OECD SIDS

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

No data available. No data available.

Other adverse effects

Mobility in soil

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions

Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal. whether the product meets RCRA criteria for hazardous waste. Dispose of contents/container in

accordance with local/regional/national/international regulations.

Dispose in accordance with all applicable regulations. Local disposal regulations

Material name: Glass Mat Faced Gypsum Panels

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

Not available.

# 14. Transport information

DOT

Not regulated as dangerous goods.

JATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

## 15. Regulatory information

US federal regulations

This product is not hazardous in the form in which it is sold and shipped by the manufacturer. However, the large amount of dusts generated by downstream activities such as cutting, sanding, or otherwise working with this product is considered hazardous and is regulated under the Hazard Communication Standard 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

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 1910,1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

Yes

chemical

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. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed.

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)

Material name: Glass Mat Faced Gypsum Panels

# US. Massachusetts RTK - Substance List

CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4) CRYSTALLINE SILICA (QUARTZ)\* (CAS 14808-60-7)

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

CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4) CRYSTALLINE SILICA (QUARTZ)\* (CAS 14808-60-7)

# US, Pennsylvania Worker and Community Right-to-Know Law

CALCIUM SULFATE DIHYDRATE (CAS 10101-41-4) CRYSTALLINE SILICA (QUARTZ)\* (CAS 14808-60-7)

#### US. Rhode Island RTK

Not regulated.

#### US, California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

## International Inventories

Country(s) or region

Inventory name

On inventory (yes/no)\*

Canada

Domestic Substances List (DSL)

Yes

United States & Puerto Rico

Toxic Substances Control Act (TSCA) Inventory

Yes

\*A "Yes" indicates that all components of this product comply 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).

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

Issue date

March-13-2015

Revision date

August-17-2015

Version #

02

HMIS® ratings

Health: 1

Flammability: 0

Physical hazard: 0

NFPA ratings

Health: 1

Flammability: 0

Instability: 0

Disclaimer

This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as of the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handled, or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractors, and customers who will use the product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure of what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.

Revision Information

Product and Company Identification: Synonyms