

# GLACIER™ BASIC ACOUSTICAL CEILING PANELS

## 1. IDENTIFICATION

### Product identifier

Cast Basic Acoustical Ceiling Panels

### Synonym(s)

Glacier™, Sandrift™

### Recommended use

Interior use

### Recommended restrictions

Use in accordance with manufacturer's recommendations.

### Manufacturer / Importer / Supplier / Distributor information/Company name

USG Middle East Ltd

7410 (WASIL) Street #23, Cross 76 (Right)

Second Industrial City

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## 2. HAZARD(S) IDENTIFICATION

### Physical hazards

Not classified

### Health hazards

Not classified

### OSHA defined hazards

Not classified

### Label elements

#### Hazard symbol

None.

#### Signal word

None.

#### Hazard statement

None.

#### Precautionary statement

##### Prevention

Observe good industrial hygiene practices.

##### Response

Get medical attention/advice if you feel unwell.

##### Storage

Store locked up.

##### Disposal

Dispose of in accordance with local, state, and federal regulations.

### Other hazards which do not result in GHS classification

None known.

### Supplemental information

Not applicable.

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

### Mixtures

Chemical name	CAS number	%
Slag wool fiber	N/A	> 65
Calcium sulfate dihydrate (alternative CAS 10101-41-4)	13397-24-5	< 15
Limestone	1317-65-3	< 5

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**Composition comments**

All concentrations are in percent by weight unless ingredient is a gas.

Raw materials and/or coatings in this product contain small amounts of titanium dioxide, which has been classified as possibly carcinogenic to humans by the International Agency for Research on Cancer (IARC). However, per IARC “no significant exposure to primary particles of titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints” (1). See Section 16 for further information.

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**4. FIRST-AID MEASURES****Inhalation**

Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

**Skin contact**

Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists.

**Eye contact**

Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.

**Ingestion**

Rinse mouth. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed**

Under normal conditions of intended use, this material does not pose a risk to health. Dust may irritate throat and respiratory system and cause coughing.

**Indication of immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically.

**General information**

Ensure that medical personnel are aware of the material(s) involved.

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**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media**

Not applicable.

**Specific hazards arising from the chemical**

Not a fire hazard.

**Special protective equipment and precautions for firefighters**

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire-fighting equipment/instructions**

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

**Specific methods**

Cool material exposed to heat with water spray and remove it if no risk is involved.

**General fire hazards**

No unusual fire or explosion hazards noted.

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

See Section 8 of the SDS for Personal Protective Equipment.

**Methods and materials for containment and cleaning up**

No specific clean-up procedure noted. For waste disposal, see Section 13 of the SDS.

**Environmental precautions**

Avoid discharge to drains, sewers, and other water systems.

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**7. HANDLING AND STORAGE****Precautions for safe handling**

Use work methods which minimize dust production. Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Store away from incompatible materials.

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**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Occupational exposure limits**

**U.S. - OSHA**

Components	CAS number	Value	Form
Slag wool fiber (CAS N/A)	TWA	5 mg/m <sup>3</sup>	Fiber, respirable (diameter 3.5 µm and length 10 µm)
		15 mg/m <sup>3</sup>	Fiber, total

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	CAS number	Value	Form
Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
Limestone (CAS 1317-65-3)	PEL	15 mg/m <sup>3</sup>	Total dust.
		5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.

**US. ACGIH Threshold Limit Values**

Impurities	CAS number	Value	Form
Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)	TWA	10 mg/m <sup>3</sup>	Inhalable fraction.
Slag wool fiber (CAS N/A)	TWA	1 fibers/cm <sup>3</sup>	Fiber, respirable (length > 5 µm and aspect ratio 3:1)

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	CAS number	Value	Form
Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)	TWA	5 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	Total.
Limestone (CAS 1317-65-3)	TWA	5 mg/m <sup>3</sup>	Respirable.
		10 mg/m <sup>3</sup>	Total.
Slag wool fiber (CAS N/A)	TWA	3 fibers/cm <sup>3</sup>	Fiber, respirable (diameter 3.5 µm and length 10 µm)
		5 mg/m <sup>3</sup>	Fiber, total

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls personal protective equipment**

Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimize the risk of exposure. Cut and trim with a utility knife or hand saw to minimize dust levels. If a router is used it must have a dust collection system. Operations such as power cutting, power kerfing or using compressed air to remove dust are not recommended (2). See Section 16 for further information.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear approved safety goggles.

**Skin protection**

**Hand protection**

It is a good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin contact use suitable protective gloves.

**Other**

Normal work clothing (long sleeved shirts and long pants) is recommended.

**Respiratory protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.

**Thermal hazards**

None

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Observe any medical surveillance requirements.

9. PHYSICAL AND  
CHEMICAL PROPERTIES

**Appearance**

**Physical state**

Solid.

**Form**

Panel or tile.

**Color**

Various colors.

**Odor**

Low to no odor.

**Odor threshold**

Not applicable.

**pH**

9

**Melting point/freezing point**

1204.4 °C Slag wool).

**Initial boiling point and boiling range**

Not applicable.

**Flash point**

Not applicable.

**Evaporation rate**

Not applicable.

**Flammability (solid, gas)**

Not applicable.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)**

Not applicable.

**Flammability limit - upper (%)**

Not applicable.

**Explosive limit - lower (%)**

Not applicable.

**Explosive limit - upper (%)**

Not applicable.

**Vapor pressure**

Not applicable.

**Vapor density**

Not applicable.

**Relative density**

0.39 - 0.49(H<sup>2</sup>O=1)

**Solubility(ies)**

Very low solubility in water.

**Partition coefficient (n-octanol/water)**

Not applicable.

**Auto-ignition temperature**

Not applicable.

**Decomposition temperature**

Not applicable.

**Viscosity**

Not applicable.

**Other information**

**Bulk density**

400-450 kg/m<sup>3</sup>

**VOC (Weight %)**

0 % (See section 16 for further detail).

10. STABILITY AND  
REACTIVITY

**Reactivity**

Not available.

**Chemical stability**

Material is stable under normal conditions.

**Possibility of hazardous reactions**

Hazardous polymerization does not occur.

**Conditions to avoid**

Contact with incompatible materials.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition products**

No hazardous decomposition products are known.

11. TOXICOLOGICAL  
INFORMATION

**Information on likely routes of exposure**

**Ingestion**

Ingestion may cause irritation and stomach discomfort.

**Inhalation**

Inhalation of dusts may cause respiratory irritation.

**Skin contact**

May cause irritation through mechanical abrasion.

**Eyes contact**

Direct contact with eyes may cause temporary irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**

Under normal conditions of intended use, this material does not pose a risk to health.

**Skin corrosion/irritation**

Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation**

Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization**

No data available, but none expected.

**Skin sensitization**

This product is not expected to cause skin sensitization.

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**Germ cell mutagenicity**

No data available, but none expected.

**Carcinogenicity****OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity**

No data available.

**Specific target organ toxicity - single exposure**

No data available, but none expected.

**Specific target organ toxicity - repeated exposure**

No data available, but none expected.

**Aspiration hazard**

Due to the physical form of the product it is not an aspiration hazard.

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**12. ECOLOGICAL  
INFORMATION****Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability**

No data is available on the degradability of this product.

**Bioaccumulative potential**

Bioaccumulation is not expected.

**Mobility in soil**

No data available.

**Other adverse effects**

None expected.

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**13. DISPOSAL  
CONSIDERATIONS****Disposal instruction**

Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.

**Local disposal regulations**

Dispose of in accordance with local regulations.

**Hazardous waste code**

Not regulated.

**Waste from residues / unused products**

Dispose of in accordance with local regulations.

**Contaminated packaging**

Dispose of in accordance with local regulations.

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**14. TRANSPORT  
INFORMATION****DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as a dangerous good.

**IMDG**

Not regulated as a dangerous good.

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

Not applicable. This product is a solid. Therefore, bulk transport is governed by IMSBC code.

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**15. REGULATORY  
INFORMATION****Saudi Arabian Inventory of Chemical Substance:**

CAS#	N/A	Slag wool fiber
CAS#	13397-24-5	Calcium sulfate dihydrate (alternative CAS 10101-41-4)
CAS#	1317-65-3	Limestone

**16. OTHER INFORMATION,  
INCLUDING DATE OF  
PREPARATION OR  
LAST REVISION**

**Issue date**

26-November-2014

**Revision date**

1-December-2022

**Version #**

02

**Further information**

Slag Wool Fiber: Large morbidity and mortality studies of both European and North American mineral wool manufacturing workers have been conducted. These studies have found no significant association of non-malignant (i.e. fibrosis) or malignant (i.e., lung cancer or mesothelioma) lung disease and exposures to slag wool fibers and have not established a causal relationship between exposure and non-malignant or malignant diseases.

In 2001, the International Agency for Research on Cancer (IARC) assigned slag wool fiber to the Group 3 category [“not classifiable as to carcinogenicity to humans”].

The synthetic mineral fiber used in this product is exonerated from classification as a\ carcinogen in accordance with Note Q in the EU Commission Directive 97/69/EC.

Titanium dioxide: Raw materials and/or coatings in this product contain small amounts of titanium dioxide.

The International Agency for Research on Cancer (IARC) has determined that titanium dioxide is possibly carcinogenic to humans (Group 2B) based on inadequate evidence in humans and sufficient evidence in experimental animals. This conclusion relates to long-term inhalation exposure to high concentrations of pigmentary (powdered) or ultrafine titanium dioxide. However, no significant exposure to primary particles of titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints. The available human studies do not suggest an association between occupational exposure to titanium dioxide and risk for cancer (1).

The American Conference of Governmental Industrial Hygienists (ACGIH) has designated this chemical as not classifiable as a human carcinogen (A4).

The US National Toxicology Program (NTP) has not listed this chemical in its report on carcinogens.

VOC Emissions: USG certifies the products listed in Section 1 of this SDS as Low-Emitting, defined as below the emissions of the concentration for each individual volatile organic chemical of concern (VOC) as specified in the Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources using Small-Scale Environmental Chambers Version 1.1 [CDPH/EHLB/Standard Method V1.1 (February 2010); aka, chamber testing portion of CA Section 01350] and ASTM Guide D5116-06.

NFPA Ratings:

Health: 1

Flammability: 0

Physical hazard: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

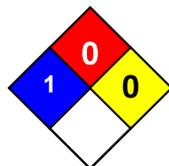
**HMIS® ratings**

Health: 1\*

Flammability: 0

Physical hazard: 0

**NFPA ratings**



**Abbreviations and acronyms**

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

IARC: International Agency for Research on Cancer

TWA: Time Weighted Average

PEL: Permissible Exposure Limit

**Disclaimer**

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

**Notice:**

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