

# USG Boral Metal System Ceiling Panels (Steel)

## 1. Identification

<b>Product identifier</b>	USG Boral Metal System Ceiling Panels (Steel)
<b>Additional Products</b>	USG Boral Lay-in Metal Ceiling Plain (Steel), USG Boral Lay-in Metal Ceiling Perforated (Steel), USG Boral Clip-in Metal Ceiling Plain (Steel), USG Boral Clip-in Metal Ceiling Perforated (Steel)
<b>Synonyms</b>	Specialty Ceiling, Metal Ceiling (Steel)
<b>Recommended use</b>	Interior use
<b>Recommended restrictions</b>	Use in accordance with manufacturer's recommendations.
<b>Manufacturer/Importer/Supplier/ Distributor information/Company name</b>	USG Middle East Ltd 7410 (WASIL) Street #23, Cross 76 (Right) Second Industrial City Dammam 34326 - 4201, Kingdom of Saudi Arabia Tel: +966 13 812 0995 / Fax: +966 13 812 1029 E-mail: info@usgme.com Website: <a href="https://www.usgboral.com/en_me/">https://www.usgboral.com/en_me/</a>

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not classified.
<b>OSHA defined hazards</b>	Not classified.

### Label elements

<b>Hazard symbol</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement</b>	None.
<b>Precautionary statement</b>	None.
<b>Prevention</b>	Observe good industrial hygiene practices.
<b>Response</b>	Get medical attention/advice if you feel unwell.
<b>Storage</b>	Store as indicated in Section 7.
<b>Disposal</b>	Dispose of in accordance with local, state, and federal regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	Steel products as sold do not present an inhalation, ingestion, or skin hazard. However, individual customer processes, (such as welding, sawing, brazing, grinding, abrasive blasting, and machining) may result in the formation of fumes, dust (combustible or otherwise), and/or particulate that may present a variety of health hazards. Molten steel is also hazardous.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	CAS number	%
Steel	65997-19-5	<95

**Composition comments** This product is composed of hot-dipped galvanized steel. The following list identifies those elements which may exist in steel or which may comprise compounds present in steel or alloy steels. Aluminum, beryllium, boron, calcium, carbon, cerium, chromium, cobalt, copper, hafnium, iron, lanthanum, lead, magnesium, manganese, molybdenum, nickel, niobium, nitrogen, oxygen, phosphorus, selenium, silicon, sulfur, tantalum, tin, titanium, tungsten, vanadium, yttrium, zinc, zirconium.

### 4. First-aid measures

#### Inhalation

Due to the physical nature of this product, inhalation is unlikely. There are no known health effects due to inhalation.

#### Skin contact

Edges and notches (where present) may be sharp and can cut skin. Cuts or abrasions should be treated promptly with thorough cleansing of the affected area. Seek medical attention for severe cuts or abrasions.

#### Eye contact

Sharp edges and notches (where present) may cause cuts and irritation. If eye is cut or otherwise damaged, seek medical attention.

#### Ingestion

Due to the physical nature of this product, ingestion is unlikely. There are no known health effects due to ingestion.

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

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

#### 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.

### 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 and 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.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures Methods and materials for containment and cleaning up

See Section 8 of the SDS for Personal Protective Equipment.

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

#### Environmental precautions

None.

## 7. Handling and storage

### Precautions for safe handling

Edges and notches (where present) may be sharp and can cut skin. Unload from package with caution and handle carefully. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Falling pieces can pose an injury hazard. Do not store open boxes or individual pieces above chest level. Store away from incompatible materials.

## 8. Exposure controls/personal protection

### Occupational exposure limits

No exposure limits noted for ingredient(s).

### Biological limit values

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

### Appropriate engineering controls

Ventilation is not normally required.

### 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

#### Respiratory protection

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

#### Thermal hazards

Not necessary under normal conditions.

### General hygiene considerations

None.

Handle in accordance with good industrial hygiene and safety practices.

## 9. Physical and chemical properties

### Appearance

#### Physical state

Solid.

#### Form

Steel: Rectangular, triangular, square, 3D, circular, customs shapes, Z profile, U Profile, T Profile other Steel and accessories.

#### Color

Various.

### Odor

Low to no odor.

### Odor threshold

Not applicable.

### pH

Not applicable.

### Melting point/freezing point

1315 - 1537 °C base metal (steel)

### 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

7 - 8 (H<sub>2</sub>O = 1)

### Solubility(ies)

#### Solubility (water)

Not soluble in water.

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

Not applicable.

### Auto-ignition temperature

Not applicable.

### Decomposition temperature

Not applicable.

<b>Viscosity</b>	Not applicable.
<b>Other information</b>	Not applicable
<b>Bulk density</b>	7,688-8,000 kg/m <sup>3</sup>
<b>VOC (Weight %)</b>	0 %

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	Not likely, due to the form of the product.
<b>Inhalation</b>	Not likely, due to the form of the product.
<b>Skin contact</b>	Edges and notches (where present) may be sharp and can cut skin. Under normal conditions of intended use, this product does not pose a skin hazard.
<b>Eye contact</b>	Contact with sharp edges and notches (where present) may cut the eye and cause eye damage. Sharp edges and notches (where present) may cause cuts and irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	
<b>Acute toxicity</b>	None.
<b>Skin corrosion/irritation</b>	Edges and notches (where present) may be sharp and can cut skin.
<b>Serious eye damage/eye irritation</b>	Contact with sharp edges and notches (where present) may cut the eye and cause eye damage.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	No data available.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	Not expected to be mutagenic.
<b>Carcinogenicity</b>	Not expected.
<b>Reproductive toxicity</b>	Not expected to be a reproductive hazard.
<b>Specific target organ toxicity - single exposure</b>	No data available, but none expected.
<b>Specific target organ toxicity - repeated exposure</b>	No data available, but none expected.
<b>Aspiration hazard</b>	Due to the physical form of the product it is not an aspiration hazard.
<b>Further information</b>	No other specific acute or chronic health impact noted.

## 12. Ecological information

<b>Ecotoxicity</b>	Not expected to be harmful to aquatic organisms.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	Bioaccumulation is not expected.
<b>Mobility in soil</b>	Not available.
<b>Other adverse effects</b>	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 instruction**

The metals contained in this product are recyclable. Dispose in accordance with applicable federal, state, and local regulations.

**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.

### 14. Transport information

**DOT**

Not regulated as dangerous goods.

**IATA**

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

**Saudi Arabian Inventory of Chemical Substance:**

CAS # 65997-19-5 Steel

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

**Issue date**

07-April -2019

**Revision date**

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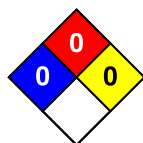
**Version #Further information**

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**Further information**

NFPA Ratings:  
 Health: 0  
 Flammability: 0  
 Physical hazard: 0  
 Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**NFPA Ratings**



**List of abbreviations**

NFPA: National Fire Protection Association.

**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.