

USG Boral Metal System Ceiling Panels (Aluminum)

1. Identification

Product identifier	USG Boral Metal System Ceiling Panels (Aluminum)
Additional Products	USG Boral Lay-in Metal Ceiling Plain (Aluminum), USG Boral Lay-in Metal Ceiling Perforated (Aluminum), USG Boral Clip-in Metal Ceiling Plain (Aluminum), USG Boral Clip-in Metal Ceiling Perforated (Aluminum), USG Celebration Torsion Spring
Synonyms	Specialty Ceiling, Metal Ceiling (Aluminum)
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 Dammam 34326 - 4201, Kingdom of Saudi Arabia Tel: +966 13 812 0995 / Fax: +966 13 812 1029 E-mail: info@usgme.com Website: https://www.usgboral.com/en_me/

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental 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 as indicated in Section 7.
Disposal	Dispose of in accordance with local, state, and federal regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	Aluminum 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 aluminum is also hazardous.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Aluminum	7429-90-5	<95
Manganese	7439-96-5	≤ 1.5

Composition comments This product is composed of an aluminum alloy which contains up to 1.5% manganese. The following list identifies additional elements which may exist in aluminum or which may comprise compounds present in aluminum: copper, iron, silicon, zinc.

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 Class D extinguishing agents on fines, chips, dust, or molten metal.

Unsuitable extinguishing media

DO NOT use halogenated extinguishing agents on fines, chips, or dust. DO NOT use water for fires involving molten metal. These fire extinguishing agents will react with burning metal.

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

This product is non-combustible in bulk form. For fires involving fines, chips, dust, or molten aluminum use Class D extinguishing agents. DO NOT use water or other liquids, or halogenated extinguishing agents.

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

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

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

Color

Various.

Odor

Low to no odor.

Odor threshold

Not applicable.

pH

Not applicable.

Melting point/freezing point

650 °C base metal (aluminum)

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

2.7 (H₂O = 1)

Solubility(ies)

Solubility (water)

Not soluble in water.

Partition coefficient

Not applicable.

(n-octanol/water)

Auto-ignition temperature

Not applicable.

Decomposition temperature	Not applicable.
Viscosity	Not applicable.
Other information	
Bulk density	2,725 kg/m ³
VOC (Weight %)	0 %

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	Not likely, due to the form of the product.
Inhalation	Not likely, due to the form of the product.
Skin contact	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.
Eye contact	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.
Symptoms related to the physical, chemical and toxicological characteristics	
Acute toxicity	None.
Skin corrosion/irritation	Edges and notches (where present) may be sharp and can cut skin.
Serious eye damage/eye irritation	Contact with sharp edges and notches (where present) may cut the eye and cause eye damage.
Respiratory or skin sensitization	
Respiratory sensitization	No data available.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	Not expected to be mutagenic.
Carcinogenicity	Not expected.
Reproductive toxicity	Not expected to be a reproductive hazard.
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.
Further information	No other specific acute or chronic health impact noted.

12. Ecological information

Ecotoxicity	Not expected to be harmful to aquatic organisms.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	Bioaccumulation is not expected.
Mobility in soil	Not available.
Other adverse effects	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 #	7429-90-5	Aluminum
CAS #	7439-96-5	Manganese

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

Issue date

07-April-2019

Revision date

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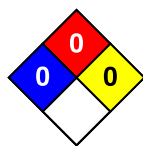
Version #Further information

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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.