

USG Boral Drywall/Steel Framed Systems

1. Identification

Product identifier	USG Boral Drywall/Steel Framed Systems
Additional Products	Regular Wall Track, Deep Flange Wall Track, Curved Wall Track, Inclined Flange Wall Track, Regular and Deep Flange Wall Stud, Perimeter Angle, Primary Channel, Furring Channel, Deflection Fire Track, Deflection Clip, J Trims, Corner Beads, W Shape Shadow line Angle, Z Shape Shadow line Stoppage Angle, Z Furring Channel, Wall Bracing Flat Strip, Single Lip Resilient Channel, Wire Connection Clip, Threaded Rod Hanger, Rod Hangers & Adjustable Butterfly Clip, Wafer Head Screw and Drywall Screw.
Synonyms	Drywall Steel Frame System
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.
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)	Not classified.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Zinc	7440-66-6	1-20%
Aluminium	7429-90-5	1-10%
Iron	7439-89-6	Balance

Composition comments

Low carbon steel strip with hot dipped zinc or zinc/aluminium coating with painted and/or laminated polymer finish. 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 & 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**

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

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

Exposure Standards

No exposure standard has been established for the product as supplied.

During welding or cutting operations the following Worksafe Exposure Standards should be applied;

Zinc oxide fume	- 5	mg/m ³	TWA
Iron oxide fume	- 5	mg/m ³	TWA as Fe

Other Exposure Standards may apply during welding or cutting operations, but are determined by the type of welding or cutting process (ARC, MIG, TIG, gas or plasma) and the electrode(s) used. Each individual operation must be separately assessed for hazards by an experienced Occupational Hygienist.

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

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

Respiratory protection

Not necessary under normal conditions.

Thermal hazards

None.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practices.

9. Physical and chemical properties

Appearance

Physical state

Solid.

Form

C profile, U profile, L profile, Z profile, Omega profile, Strip profile

Color

Various.

Odor

Low to no odor.

Odor threshold

Not applicable.

pH

Not applicable.

Melting point/freezing point

2400 - 2800 °F (1315.56 - 1537.78 °C) (base metal (steel))

Specific Gravity

7.86

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 ₂ O = 1)
Solubility(ies)	Not soluble 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	480 - 500 lb/ft ³
VOC (Weight %)	0 %

10. Stability and reactivity

Reactivity	The product is stable & non reactive under normal conditions of use, storage & transport.
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.

Symptoms related to the physical, chemical and toxicological characteristics

Sharp edges and notches (where present) may cause cuts and irritation.

Information on toxicological effects

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

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.

14. Transport information

DOT

Not regulated as a hazardous material by DOT.

IATA

Not regulated as a dangerous good.

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 #	7440-66-6	Zinc
CAS #	7429-90-5	Aluminium
CAS #	7439-89-6	Iron

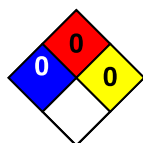
16. Other information, including date of preparation or last revision

Issue date 1-July-2018
Revision date -
Version # 01

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.