

USG Australasia
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MATERIAL SAFETY DATA SHEET

Not Hazardous according to criteria of Worksafe Australia

PRODUCT IDENTIFICATION

PRODUCT NAMES: USG Donn® Brand DX® 24mm Exposed Grid System
USG Donn® Brand DXT Centricitee® Exposed Grid System
USG Donn® Brand ScrewFix™ Plasterboard Suspension System
USG Drywall Grid Suspension System
USG Drywall Steel Stud and Track System

UN NO.:	None Allocated	D.G.CLASS:	None Allocated	CAS NO.:	None Allocated
HAZCHEM:	None Allocated	SUB. RISK:	None Allocated	PACK. GRP:	None Allocated

USE: Internal, Non Structural walls and ceilings

CORRECT SHIPPING NAME: Non Dangerous Good

OTHER NAMES:

TRADENAMES:

INGREDIENTS: (Typical)

CHEMICAL ENTITY:	CAS NO:	PROPORTION:
Zinc	7440-66-6	1-20%
Aluminium	7429-90-5	1-10%
Iron	7439-89-6	Balance
Surface Coatings: This product is coated with various combinations of:- polyester, siliconized polyester, alkyd, fluorocarbon(PVDF), epoxy, urethane, latex or acrylic paints and primers	Not Available	<1%
PVC film	9002-86-2	<1%
Polyethylene film	9002-88-4	<1%
Strontium Chromate (only present in primer layer)	7789-06-2	<10% of primer layer

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE: Rollformed sections in varying lengths

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

BOILING POINT:	Not Applicable	VAPOUR PRESSURE:	Not Applicable
SPECIFIC GRAVITY:	7.86	FLASH POINT:	Not Applicable
FLAMMABILITY LIMITS:	Not Applicable		

OTHER PROPERTIES:

SOLUBILITY IN WATER: Insoluble.

USG WALL AND SUSPENSION SYSTEMS

HEALTH HAZARD INFORMATION

ACUTE EFFECTS

SWALLOWED: Not expected to be swallowed in the form supplied.
EYE: Not irritating to eyes in the form supplied.
SKIN: Not irritating to skin in the form supplied.
INHALED: Not expected to be inhaled in the form supplied.

CHRONIC EFFECTS: No reports of effects from prolonged or repeated exposure to the product as supplied. Prolonged skin contact with chromium surface treatments may lead to chromium sensitisation in sensitive individuals. Prolonged contact with the surface oil used for corrosion protection may irritate the skin in sensitive individuals.

FIRST AID:

SWALLOWED: It is unlikely that this product can be swallowed in the as supplied form.
EYE: It is unlikely that this product will enter the eye(s) in the as supplied form. If steel splinters enter the eye, obtain medical attention immediately.
SKIN: It is unlikely that this product will cause irritation to the skin in the as supplied form. Skin that has come in contact with oil or chromium surface treatments should be washed immediately with soap and water.
INHALED: It is unlikely that this product can be inhaled in the as supplied form. If exposed to zinc oxide fume, remove to fresh air.

FIRST AID FACILITIES: Hand washing facilities.

ADVICE TO DOCTOR: Treat symptomatically. Patients usually recover from zinc fume fever within 36 hours.

TOXICITY DATA: No toxicity data is available in the literature for this product as supplied.

The handling of these products during removal from the box and during installation may create a hazard by striking or falling. Good safe work practices should be followed at all times.

PRECAUTIONS FOR USE

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.

ENGINEERING CONTROLS: No special ventilation is required for the product as supplied.

PERSONAL PROTECTION:

EYE PROTECTION: Goggles or safety glasses with side shields should be worn when working with this product.

HAND PROTECTION: Cut resistant or leather gloves should be worn when handling products, to avoid cuts from splinters, burrs or sharp edges.

OTHER PRECAUTIONS:

Steel should not be welded or cut with gas, plasma, electrical arc, etc., as operators may be exposed to thermally generated fumes. The decomposition products are not easily classifiable as to composition and are dependant upon the type of coating(s), the welding process (ARC, MIG or TIG, gas, plasma, etc.), the electrode(s) and the ventilation system employed (whether Local Exhaust or Dilution). Each individual operation must be separately assessed for hazards by an experienced Occupational Hygienist.

Steel should not be sanded, ground, or otherwise abraded, in any operation which will penetrate the

top paint coat and create airborne dust. Penetrating or removing the primer layer by sanding or grinding may release dust particles containing Strontium Chromate. Strontium Chromate dust is a suspected carcinogen and may be harmful if ingested or inhaled. The WORKSAFE Exposure Standard for water insoluble Cr(VI) compounds (0.05 mg/m³ in air, measured as Cr) should not be exceeded. Each operation should be assessed for hazard and operator exposure by an experienced Occupational Hygienist.

USG WALL AND CEILING SUSPENSION SYSTEM

FLAMMABILITY: This product as supplied is not flammable or combustible, but the coating may burn in a fire or if overheated.

ENVIRONMENT: This product is not known to be hazardous to the environment.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT:

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Packs must be properly restrained with chocks and straps for transport. For more information contact a USG office.

PACKAGING AND LABELLING: No special packaging or labeling is required.

SPILLS AND DISPOSAL: No special procedures usually required. This product can be recycled.

FIRE/EXPLOSION HAZARD: The organic coating and parts of the packaging are combustible. On burning they will emit carbon monoxide and other products of combustion. PVC coatings will also emit hydrogen chloride. Polyurethane coatings may also release hydrogen cyanide when burnt.

REACTIVITY DATA: No significant hazard.

OTHER INFORMATION

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Manufacturers Advice:

This Material Safety Data Sheet (MSDS) summarises our best knowledge of the health and safety hazard information for the product and how to safely handle and use the product in the workplace.

Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace. Consideration should also be given to possible interactions when this product is used in conjunction with other manufacturers' products.

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