

Product Safety Data Sheet

Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name: voestalpine Metsec plc metal products

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s) Dry lining products - used in conjunction with Gypsum plasterboards products are used to form internal walls and ceiling systems, wall linings and encasements, in non-load bearing applications. No specific uses advised against are identified.

Cable management products - secure cable containment and support systems

Purlins and side rail components - structural components for roofs, walls and mezzanine floors

SFS - light gauge steel framing systems for internal and external construction

Metframe - pre-panelised components for off-site framing

1.3 Details of the supplier of the safety data sheet

Manufacturer voestalpine Metsec plc

Broadwell Road

Oldbury

West Midlands

B69 4HF

1.4 Emergency Telephone Number

Contact Number +44 (0)121 601 6000

Opening Hours 7:30am - 5:00pm Monday – Thursday

7:30am - 1:30pm Friday

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Classification (EC 1272/2008)

Physical Hazards Not Classified

Health Hazards Not Classified

Environmental Hazards Not Classified

Human Health Under normal conditions steel products do not present an inhalation, ingestion, or contact health hazard.

Sharp edges and corners may cause cuts and abrasions.

Operations such as burning, welding, sawing brazing, grinding and possibly machining etc., which results in elevating the product above its melting point or result in the generation of airborne particles which may present health hazards.

2.2	Label Elements
Hazard Statement	Not Classified
Labelling Notes	As supplied, this product does not meet the requirements for labelling
2.3	Other Hazards
Other hazards	This product does not contain any substances classified as PBT or vPvB

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical Name	CAS Number	EC Number	Weight
Iron	7439-89-6	231-096-4	95-98.3
Carbon	7440-44-0	231-153-3	≤0.25
Manganese	7439-96-5	231-105-1	≤0.95
Phosphorous	7723-14-0	231-768-7	≤0.035
Sulphur	7704-34-9	231-722-6	≤0.035
*Chromium	7440-47-3	231-157-5	16.5-19.5
*Nickel	7440-02-0	231-111-4	8.0-13.0
Zinc (Product Coating)	7440-66-6	231-175-3	N/A**
oil-based water soluble Mixture rust inhibitor		-	≤0.10

* Stainless Steel only - grades supplied 1.4404 (316) and 1.4301 (304)

** For galvanized coated steel the Zinc Coating is designated by weight and is product specific, standard coating weights include 140g/M2, 275g/M2 and 600g/M2

3.2 Mixtures

Composition comments Cold rolled steel profiles are supplied in mild steel, stainless steel, structural grade steel and include profiles coated by Zinc via the electrolytic process or hot dip galvanized process. The steel profiles may have a protective film of anti-rust inhibitors and or rolling oil.

4 FIRST AID MEASURES

4.1 Description of First Aid Measures

General information	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel
Inhalation	Due to the physical nature of this product, exposure by this route is unlikely. If however overexposure to airborne fumes and particulates move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	If over exposure to dusts or particulates wash skin thoroughly with soap and water, get medical attention if irritation develops or persists. If skin is punctured, then treat as for a normal cut or wound. Apply pressure to stop bleeding and clean wound as necessary. Use appropriate dressing. If in doubt, get medical attention promptly
Eye contact	Due to the physical nature of this product, exposure by this route is unlikely. IF IN EYES: Remove any contact lenses and open eyelids wide apart. Rinse with water. Do not rub eye. If in doubt, get medical attention promptly
Ingestion	Not considered an ingestion hazard. However, if excessive amounts of dust or particulates are swallowed, treat symptomatically and supportively. Get medical attention
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

4.2 Most Important Symptoms and Effects, both Acute and Delayed.

General information	The product is considered to be a low hazard under normal conditions of use. See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Harmful dust may be released during cutting or grinding process. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
Skin contact	No specific symptoms known. Sharp edges and corners may cause cuts and abrasions. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	No specific symptoms known. Sharp edges and corners may cause cuts and abrasions. Harmful dust may be released during cutting or grinding process. Particles in the eyes may cause irritation and smarting.
Ingestion	No specific symptoms known. May cause discomfort. Sharp edges and corners may cause cuts and abrasions.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

Specific treatments	No special treatment required
Notes for the doctor	Treat symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire extinguishing media suitable for the surrounding fire.

Unsuitable Media Do not use water jet as extinguisher, as this will spread the fire

5.2 Special Hazards Arising from The Substance or Mixture

Specific hazards None known.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Metal oxide(s).

5.3 Advice for Firefighters

Protective actions during fire fighting Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

Special protective equipment during fire fighting Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Sharp edges and corners may cause cuts and abrasions

6.2 Environmental Precautions

Environmental precautions The product is not expected to be hazardous to the environment.

6.3 Methods And Material for Containment And Cleaning Up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Reuse or recycle products wherever possible. Collect spillage. Do not empty into drains. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

6.4 Reference to other Sections

Reference to other Sections For personal protection, see Section 8. For waste disposal, see Section 13.

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HANDLING AND STORAGE

7.1

Precautions For Safe Handling

Usage precautions

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Do not handle until all safety precautions have been read and understood. Handle all packages and containers carefully to minimize spills. Sharp edges and corners may cause cuts and abrasions.

Advice on general occupational hygiene

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

7.2

Conditions For Safe Storage, Including Any Incompatibilities

Storage precautions

Store away from incompatible materials (see Section 10). Store in accordance with local regulations. Zinc coated material if stored outside should be stored off the ground and the product separated to prevent water entrapment. Separating the product will allow product to dry and prevent corrosion.

Storage class

Unspecified storage.

7.3

Specific End Use(s)

Specific End Use(s)

The identified uses for these product are detailed in Section 1.2

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EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1

Control Parameters

Ingredient comments

No exposure limits known for ingredient(s).

8.2

Exposure controls and Personal Protection

Appropriate engineering

Provide adequate ventilation. Harmful dust may be released during cutting or grinding process. Use mechanical ventilation if there is a risk of handling causing formation of airborne dust. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Sharp edges and corners may cause cuts and abrasions. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Wear tight-fitting, dust-resistant, chemical splash goggles if airborne dust is generated.

Other skin and body Protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible. Good personal hygiene procedures should be implemented. When using do not eat, drink, or smoke.

Respiratory protection

No specific requirements are anticipated under normal conditions of use. Harmful dust may be released during cutting or grinding process. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a suitable dust mask. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly.

Environmental exposure controls

Not regarded as dangerous for the environment.

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PHYSICAL AND CHEMICAL PROPERTIES

9.1

Information on Basic Physical and Chemical Properties

Appearance:

Metal length sections in various lengths, thicknesses and profile

Colour:

Various metallic colours

MSF-082

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voestalpine

ONE STEP AHEAD.

Odour:	Odourless
Odour threshold:	No information available
Ph:	Not relevant
Melting point:	> 1000 ⁰ C
Initial boiling point and range:	Not relevant
Flash point:	Not relevant
Evaporation rate:	Not relevant
Evaporation factor:	Not relevant
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Not determined
Other flammability:	Not determined
Vapour pressure:	Not relevant
Vapour density:	Not relevant
Relative density:	Approx. 7850Kg/M ³ . Stainless Steel 7500 to 8000Kg/m ³
Bulk density:	Approx. 7850Kg/M ³ . Stainless Steel 7500 to 8000Kg/m ³
Solubility(ies):	Not determined
Partition coefficient:	Not determined
Auto-ignition temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	Not relevant
Explosive properties:	Not considered to be explosive
Oxidizing properties:	Does not meet the criteria for classification as oxidizing

9.2 Other Information

Other Information No information required.

10 STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity There are no known reactivity hazards associated with this product

10.2 Chemical Stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions

10.3 Possibility of Hazardous Reactions

Possibility of hazardous reactions No potentially hazardous reactions known

10.4 Conditions to Avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation

10.5 Incompatible Materials

Materials to avoid Avoid contact with acids and alkalis

10.6 Hazardous Decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended

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TOXOLOGICAL INFORMATION

11.1

Information on Toxicological Effects

Toxicological effects	Not regarded as a health hazard under current legislation.
Acute toxicity – oral	Based on available data the classification criteria are not met.
Acute toxicity – dermal	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	Based on available data the classification criteria are not met.
Skin corrosion/irritation	Based on available data the classification criteria are not met.
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitization	Based on available data the classification criteria are not met.
Skin sensitization	Based on available data the classification criteria are not met.
Germ cell mutagenicity	Based on available data the classification criteria are not met.
Carcinogenicity	Based on available data the classification criteria are not met.
Reproductive toxicity	Based on available data the classification criteria are not met.
Specific target organ toxicity	Based on available data the classification criteria are not met.
Specific target organ toxicity repeated exposure	Based on available data the classification criteria are not met.
Aspiration hazard	Not relevant. Solid.
General information	The product is considered to be a low hazard under normal conditions of use. No specific health hazards known
Inhalation	No specific symptoms known. Harmful dust may be released during cutting or grinding process. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
Skin contact	No specific symptoms known. Sharp edges and corners may cause cuts and abrasions. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis
Eye Contact	No specific symptoms known. Sharp edges and corners may cause cuts and abrasions. Harmful dust may be released during cutting or grinding process. Particles in the eyes may cause irritation and smarting.
Route of exposure	Dermal Inhalation Harmful dust may be released during cutting or grinding .
Target organs	No specific target organs known.

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ECOLOGICAL INFORMATION

12.1

Ecotoxicity

Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
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12.2

Toxicity

Toxicity	The product is not believed to present a hazard due to its physical nature.
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12.3

Persistence and Degradability

Persistence and Degradability	Not readily biodegradable.
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12.4

Bio Accumulative Potential

Partition coefficient	No data available on bio accumulation.
Bio Accumulative Potential	Not determined

12.5

Mobility In Soil

Mobility In Soil	No data available.
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12.6	Results of PBT and vPvB Assessment
Results of PBT and vPvB Assessment	This product does not contain any substances classified as PBT or vPvB.
12.7	Other Adverse Effects
Other Adverse Effects	None known.
13	DISPOSAL CONSIDERATIONS
13.1	Waste Treatment Methods
General information	Product and packaging is 100% recyclable. The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its packaging must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.
Disposal methods	Dispose of surplus products via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration or landfill for packaging should only be considered when recycling is not feasible.
14	TRANSPORT INFORMATION
14.1	General
General information	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
14.2	UN Number
UN number	Not applicable
14.3	UN Proper Shipping Name
	Not applicable
14.4	Packing Group
Packing group	Not applicable
14.5	Environmental Hazards
Environmental hazards	Not applicable
14.6	Special precautions for User
Special precautions for user	Not applicable
14.7	Transport in Bulk According to Annex II of MARPOL and the IBC Code
Transport in Bulk According to Annex II of MARPOL and the IBC Code	Not applicable
15	REGULATORY INFORMATION
15.1	Safety, Health And Environmental Regulations/Legislation Specific For The Substance Or Mixture
Eu legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015

15.2

Chemical Safety
Assessment

Chemical Safety Assessment

No chemical safety assessment has been carried out.

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16.1

ADR
AND

OTHER INFORMATION

Abbreviations and Acronyms used in this Datasheet

European Agreement concerning the International Carriage of Dangerous Goods by Road.
European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

RID
IATA
ICAO
IMDG

European Agreement concerning the International Carriage of Dangerous Goods by Rail.
International Air Transport Association.
Technical Instructions for the Safe Transport of Dangerous Goods by Air
International Maritime Dangerous Goods.

CAS

Chemical Abstracts Service.

PBT

Persistent, Bio accumulative and Toxic substance.

vPvB

Very Persistent and Very Bio accumulative.

16.2

General information

General Information

This SDS is not mandated under REACH Regulation (EC) No 1907/2006 and is provided for information only. As supplied, this product does not meet the requirements for labelling. Training advice read and follow manufacturer's recommendations. Only trained personnel should use this material.