



SAFETY DATA SHEET

NOT CLASSIFIED AS HAZARDOUS

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name ZINC METAL COATED STEEL STRIP AND SHEET

Trade Names DECKFORM[®] steel, GALVABOND[®] steel, GALVAFORM[®] steel, GALVASKIN[®] steel, GALVSPAN[®] steel, ZINCFORM[®] steel, ZINC HI-TEN[®] steel and ZINCMATTE[®] steel

Use Metal fabrication, roofing and wall cladding

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2. HAZARDS IDENTIFICATION

Hazard Classification NON-HAZARDOUS SUBSTANCE according to the criteria of the National Occupational Health & Safety Council (NOHSC).
NON-DANGEROUS GOOD according to the Australian Code for the Transport and Storage of Dangerous Goods by Road and Rail.

Safety Phrases S22 Do not breathe dust
S24 Avoid contact with skin
S37 Wear suitable gloves

3. COMPOSITION/INFORMATION ON INGREDIENTS

Steel strip with hot dipped zinc metallic coating.

Base Metal	CAS no.	Proportion
Steel	12597-69-2	100%
Metallic Coating – all products	CAS no.	Proportion
Aluminium	7429-90-5	<1.0% Al
Antimony	7440-36-0	<0.2% Sb
Zinc	7440-66-6	Balance
Surface Treatment	CAS no.	Proportion
These products may have the following substances present on the surface at low levels, resulting from the use of anti-corrosion treatments :-		
Hexavalent chromium compounds OR Distillates (petroleum), hydrotreated light naphthenic	Mixture 64742-53-6	<20 mg/m ² <1 g/m ²

4. FIRST AID MEASURES

Ingestion	It is unlikely that this product can be ingested in the as supplied form.
Skin	It is unlikely that this product will cause irritation to the skin in the as supplied form. Surface Treatments: Skin that has come in contact with oil, chromium surface treatments, or water and water based solutions that have been in extended contact with the strip surface, should be washed immediately with soap and water.
Eyes	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.
Inhalation	It is unlikely that this product can be inhaled in the as supplied form. If exposed to fumes from welding operations, remove to fresh air
First aid Facilities	Eyewash station and washroom facilities.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use the appropriate fire extinguishing media for the surrounding environment.
Hazards from Combustion Products	Some components of the packaging are combustible. On burning they will emit carbon monoxide and other products of combustion.
Special Protective Equipment for Firefighters	Fire fighters should assess each situation and wear the appropriate protective clothing and respiratory protection.
Hazchem Code	None Allocated

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Coils and sheet packs should be picked up with suitable lifting equipment. Individual sheets should be handled with the appropriate gloves to avoid cuts.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	Always wash hands after handling the product especially before eating, drinking, smoking, or using the toilet. See section 8 - Exposure Controls/Personal Protection for specific control recommendations.
Conditions for Safe Storage & Transport	Coils and sheet packs must be stored and secured to prevent movement during storage and transport. Store in a dry environment to prevent corrosion in storage. For more information on storing this product, refer to the document 'Recommended Practices for Steel Coil and Sheet Storage and Stacking' available from BlueScope Steel sales offices.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No National Exposure Standard has been established for this material. Any operation, which has the potential of generating particulates including dust or fume, requires a risk assessment to be undertaken. This may require the involvement of an experienced Occupational Hygienist.
Biological Limit Values	No biological limit allocated.
Engineering Controls	No special ventilation is required for the product as supplied. For welding or cutting operations and acid dissolution work, the use of engineering controls may be necessary to maintain air concentrations below the relevant National Exposure Standards.
Respiratory Protection	Not normally required when using this product. However, if particulates are generated and engineering controls are not effective in controlling airborne exposure, then suitable respiratory protective equipment may be required. Final choice of appropriate respiratory protection is dependent upon the actual airborne concentrations and the individual circumstances. Expert advice may be required to make this decision. Reference should be made to AS/NZS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices and AS/NZS 1716 - Respiratory Protective Devices.
Eye Protection	Safety glasses with side shields, goggles or full-face shields as appropriate are recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances (i.e. methods of handling) and according to risk assessments undertaken. Reference should be made to AS/NZS 1337 – Eye Protectors for Industrial Applications.
Hand Protection	Appropriate gloves should be worn when handling strip or sheet steel, to avoid cuts from splinters, burrs, sharp edges, and contact with any surface treatments including oils if they are present. Final choice of gloves will vary according to individual circumstances, i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1 Occupational Protective Gloves – Selection, use and maintenance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Thin steel coil or sheet with metallic silver appearance.
Melting Point	Approximately 1500°C for base steel.
Boiling Point	Not Relevant
Solubility in Water	Insoluble in water
Specific Gravity	7.85
Vapour Pressure	Not Relevant
Vapour Density (Air=1)	Not Relevant
Flash Point	Not Relevant
Flammability	Not combustible
Auto-Ignition	Not Relevant
Temperature	
Flammable Limits - Lower	Not Relevant
Flammable Limits - Upper	Not Relevant

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of use
Conditions to Avoid	None known
Incompatible Materials	Strong acids and alkalis.
Hazardous Decomposition Products	None known
Hazardous Reactions	Coating may react with acids and alkalis, producing hydrogen gas and stibine.
Hazardous Polymerization	None known

11. TOXICOLOGICAL INFORMATION

Inhalation	Not expected to be inhaled in the form supplied. Metal Coating: Welding or cutting operations may generate zinc oxide fume, exposure to which may lead to zinc fume fever.
Ingestion	Not expected to be ingested in the form supplied.
Skin	The surface oil used for corrosion protection may cause skin irritation in sensitive individuals.
Eye	Not irritating to eyes in the form supplied.
Chronic Effects	No toxicity data is available in the literature for this product in the form supplied. Base Metal: No reported effects from prolonged or repeated exposure. Metal Coating: No reported effects from prolonged or repeated exposure. Surface Treatments: Prolonged skin contact with chromium surface treatments on the strip surface, or with water or water based solutions that have been in contact with the strip surface for extended periods of time, 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.

12. Ecological Information

Ecotoxicity	Not available
Persistence and Degradability	Not available
Mobility	Not available
Environment Protection	The material as supplied is not known to be hazardous to the environment. Water and water-based solutions may extract hexavalent chromium from the surface treatment. Waste solutions should be assessed before appropriate disposal.

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13. DISPOSAL CONSIDERATIONS

Disposal Considerations This product and packaging can be recycled.
If not recycled, any disposal of waste product should be in accordance with local regulations.

14. TRANSPORT INFORMATION

Transport Information See Section 7

U.N. Number None Allocated

Proper Shipping Name None Allocated

DG Class None Allocated

Hazchem Code None Allocated

Packing Group None Allocated

15. REGULATORY INFORMATION

SUSDP Poison Schedule No Poison Schedule Allocated

REACH(EC) 1907/2006 Article 7(1) - Not Applicable
Article 7(2) - Not Applicable

16. OTHER INFORMATION

Manufacturer's Advice

This Safety Data Sheet (SDS) summarises our best knowledge of the health and safety hazard information for the product.

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

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