



# SAFETY DATA SHEET

## DECKFORM® STEEL STRIP AND SHEET

Infosafe No.: RH1X3  
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DRAFT by: BlueScope Steel Limited

### 1. IDENTIFICATION

**GHS Product Identifier**

DECKFORM® STEEL STRIP AND SHEET

**Company Name**

BlueScope Steel Limited (ABN 16 000 011 058)

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VIC 3000 Australia

**Telephone/Fax Number**

Telephone: 1800800789 (Australia Only)

**Emergency phone number**

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**E-mail Address**

steeldirect@bluescopesteel.com

**Recommended use of the chemical and restrictions on use**

Structural decking, Lost Formwork

**Other Names**

Name	Product Code
DECKFORM® steel with BRITEWHITE™, Low Glare DECKFORM® steel, Lost Formwork DECKFORM® steel, DECKFORM® steel	

**Disclaimer**

This SDS summarises to BlueScope Steel Limited's (BSL) best knowledge at the date of issue, the health and safety hazards of the relevant materials. As BSL is not aware of and can't control the conditions under which the material may be used, each user is responsible for making their own assessment of the appropriateness of the material for their planned use and to implement appropriate controls.

### 2. HAZARD IDENTIFICATION

**GHS classification of the substance/mixture**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia..

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

**Precautionary statement – Prevention**

P260 Do not breathe dust/fume.

P280 Wear protective gloves/protective clothing/eye protection.

**Precautionary statement – Response**

P370 In case of fire and/or explosion do not breathe fumes.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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#### **Information on Composition**

Zinc metal coated steel strip and sheet, available with no paint, a tinted resin finish one side, or a BRITEWHITE™ white paint finish one side.





**Advice to Doctor**

Treat symptomatically.

**Other Information**

For advice in an emergency, contact a Poisons Information Centre or a doctor at once.

## 5. FIRE-FIGHTING MEASURES

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**Suitable Extinguishing Media**

Use appropriate fire extinguisher for surrounding environment.

**Hazards from Combustion Products**

When burnt or overheated the product and packaging may release combustion products including carbon monoxide and metallic oxides.

**Specific Hazards Arising From The Chemical**

Base metal is non-combustible. However, under fire conditions, material may decompose and/or burn. Some parts of the packaging are combustible.

**Decomposition Temperature**

Not available

**Precautions in connection with Fire**

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes.

## 6. ACCIDENTAL RELEASE MEASURES

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**Emergency Procedures**

Product should be picked up with suitable lifting equipment. Wear appropriate gloves to avoid cuts when handling.

## 7. HANDLING AND STORAGE

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**Precautions for Safe Handling**

Product is expected to be formed, welded and cut. Will have concrete poured onto it. Wear appropriate gloves to avoid cuts when handling. If welding this product there is a possibility of zinc fume generation. Sanding or grinding to expose or remove the primer layer may release particles containing strontium chromate, therefore such actions should be avoided to prevent the creation of airborne dust. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.

**Conditions for safe storage, including any incompatibilities**

The material as supplied is not known to be hazardous to the environment. Product 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 Storage and Handling of BlueScope Steel's products' available from BlueScope Steel sales offices and website.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Occupational exposure limit values**

No exposure standards have been established for this material, however, the TWA exposure standards for dust not otherwise specified is 10 mg/m<sup>3</sup>.

Aluminium (welding fumes): 5mg/m<sup>3</sup> TWA

Iron oxide (fume): 5 mg/m<sup>3</sup> TWA

Zinc oxide (fume): 5mg/m<sup>3</sup> TWA; 10mg/m<sup>3</sup> STEL

Chromium (VI) Compounds: 0.05 mg/m<sup>3</sup> TWA

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Source: Safe Work Australia

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 limits allocated.

#### Appropriate engineering controls

Use with good general ventilation. No special ventilation is required for the product as supplied. Resin coated product may contain both water soluble and water insoluble chromium (VI) compounds at levels below 0.1%. Pre-painted steel should not be sanded, ground or otherwise abraded, in any operation that will penetrate the surface coating and create airborne dust. Penetrating or removing the primer layer by sanding or grinding may release dust particles containing strontium chromate. This product may have an exposed primer containing low levels of strontium chromate. Appropriate exposure controls should be applied. Chromium (VI) and strontium chromate are classified as Category 1A carcinogens (known to have carcinogenic potential for humans) according to Safe Work Australia. For processing operations that generate dust or fumes, the use of engineering controls may be necessary to maintain air concentrations below the relevant National Exposure Standards.

#### Respiratory Protection

Not generally required. If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable filter should be used.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

#### Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard 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 appropriate 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.

#### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Appearance	Thin steel coil or sheet with metallic silver appearance, one side may have a tinted resin coating (Low Glare version) or white paint (BRITEWHITE™)	Odour	Not applicable
Decomposition Temperature	Not available	Melting Point	Base metal: 1500°C (approximate)
Boiling Point	Not applicable	Solubility in Water	Insoluble
Specific Gravity	7.85	pH	Not applicable
Vapour Pressure	Not applicable	Vapour Density (Air=1)	Not applicable
Evaporation Rate	Not applicable	Odour Threshold	Not applicable
Viscosity	Not applicable	Partition Coefficient: n-octanol/water	Not applicable
Flash Point	Not applicable	Flammability	Non combustible material.
Auto-Ignition Temperature	Not applicable	Explosion Limit - Upper	Not applicable
Explosion Limit - Lower	Not applicable	Kinematic Viscosity	Not applicable
Dynamic Viscosity	Not applicable		

## 10. STABILITY AND REACTIVITY

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### Reactivity

Refer to 'Hazardous Reactions' below

### Chemical Stability

Stable under normal conditions of storage and handling.

### Conditions to Avoid

None expected, when used as intended.

### Incompatible materials

Strong acids, strong alkalis

### Hazardous Decomposition Products

When burnt or overheated the product and packaging may emit carbon monoxide, metallic oxides and other products of combustion.

### Possibility of hazardous reactions

Contact of metallic substances with acids and alkalis liberates hydrogen gas.

### Hazardous Polymerization

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

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### Toxicology Information

No toxicity data available for this material.

### Ingestion

It is unlikely that this product can be ingested in the supplied form.

### Inhalation

It is unlikely that this product can be inhaled in the supplied form. Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. If welding this product there is a possibility of zinc fume generation.

### Skin

It is unlikely that this product will cause irritation to the skin in the supplied form. Where present, the surface treatment used for corrosion protection or exposed primer contains small quantities of chromium (VI) compounds. Prolonged skin contact may lead to chromium sensitisation in sensitive individuals.

### Eye

It is unlikely that this product will enter the eye(s) in the supplied form.

### Respiratory sensitisation

Not expected to be a respiratory sensitiser.

### Skin Sensitisation

Not expected to be a skin sensitiser.

### Germ cell mutagenicity

Not considered to be a mutagenic hazard.

### Carcinogenicity

Not considered to be a carcinogenic hazard.

### Reproductive Toxicity

Not considered to be toxic to reproduction.

### STOT-single exposure

Not expected to cause toxicity to a specific target organ.

### STOT-repeated exposure

Not expected to cause toxicity to a specific target organ.

### Aspiration Hazard

Not expected to be an aspiration hazard.

### Other Information

Where present, the surface treatment used for corrosion protection or exposed primer contains small quantities of chromium (VI) compounds. Prolonged skin contact may lead to chromium sensitisation in sensitive individuals.

## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

No ecological data available for this material.

### Persistence and degradability

Not available

### Mobility

Not available

### Bioaccumulative Potential

Not available

### Other Adverse Effects

Not available

### Environmental Protection

The material as supplied is not known to be hazardous to the environment.

## 13. DISPOSAL CONSIDERATIONS

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### Disposal considerations

This product and packaging can be recycled. If not recycled, any disposal of waste product should be in accordance with local regulations. End consumers who directly purchase DECKFORM® steel with CORSTRIP® film/strippable film can recycle the film via the national REDcycle Program. Note: it must be cut into smaller, A3 size pieces before returning. Builders should contact their relevant waste provider to discuss requirements for recycling this type of material as REDcycle is not able to accept commercial/industrial or large volumes of film.

## 14. TRANSPORT INFORMATION

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### Transport Information

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### U.N. Number

None Allocated

### UN proper shipping name

None Allocated

### Transport hazard class(es)

None Allocated

### Packing Group

None Allocated

### UN Number (Air Transport, ICAO)

None Allocated

### IATA/ICAO Proper Shipping Name

Not dangerous for conveyance under IATA code

### IATA/ICAO Hazard Class

None Allocated



**IATA/ICAO Packing Group**

None Allocated

**IMDG UN No**

None Allocated

**IMDG Proper Shipping Name**

Not dangerous for conveyance under IMO/IMDG code

**IMDG Hazard Class**

None Allocated

**IMDG Pack. Group**

None Allocated

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

**Special Precautions for User**

Not available

## 15. REGULATORY INFORMATION

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**Regulatory information**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia..

REGULATION (EC) No 1907/2006 (REACH) Article 7.1 - Not Applicable

REGULATION (EC) No 1907/2006 (REACH) Article 7.2 - Not Applicable

REGULATION (EC) No 1907/2006 (REACH) Article 33 – Not Applicable

**Poisons Schedule**

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Manufactured in accordance with Section 7/Appendix I, Paint or Tinters of the SUSMP

## 16. OTHER INFORMATION

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**Date of preparation or last revision of SDS**

SDS amendment: September 2021

8. Exposure controls/personal protection

13. Disposal considerations

SDS amendment: February 2018

5. Fire-fighting measures

8. Exposure controls/personal protection

15. Regulatory information

SDS Reviewed: January 2018 Supersedes: June 2013

**References**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of Classification and Labelling of Chemicals.

**Other Information**

DECKFORM® steel is a registered trademark of BlueScope Steel Limited.

BRITTEWHITE™ is a trademark of BlueScope Steel Limited.

## END OF SDS

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