

Credit 2.3 Health Impacts Declaration

Guidance on using this template

This template is mandatory for Applicants targeting Credit 2.3 Health Impacts Declaration in the SSA Certification Program. Applicants are to complete this template for the downstream life cycle stages (transport, installation, use and maintenance, and end of life) of the product. The intent of the declaration is to ensure the safety of all downstream handlers and users of the final product once it is manufactured. This template does not address the manufacturing (fabrication, roll forming, processing etc) stage of the product.

Applicants are to identify and address all existing and potential biological, chemical and physical hazards for each downstream lifecycle phase. Applicants should provide supporting documentation (e.g Safety Data Sheet (SDS), risk assessments, hazardous chemicals register) to justify the information included in this template. All hazards and mitigating actions should be clearly explained within the text boxes in this template. Please note that known hazards of the product must be addressed, even if these have not been included in an SDS (if available).

Glossary of terms

Biological Hazards

Any biological substance that poses a threat to the health of people, animals, or the environment. These hazards can include bacteria, viruses, biological toxins, fungi, or bio-active substances etc.

Chemical Hazards

Any chemical substance or mixture that can pose a threat to human health, safety or the environment. Chemical hazards can be solid, liquid, or gas, and can cause harm to anyone directly exposed, usually through inhalation, ingestion, or direct contact to the skin.

Health Hazards

A health hazard is a biological, chemical, or physical factor that can have either short or long-term negative impacts on human health. This includes contaminated drinking water, exposure to toxic or carcinogenic substances, to dust or mould, to viruses or contagious diseases etc.

Physical Hazards

A hazard that can cause physical harm with contact. This could include working in conditions that are too hot or too cold, vibration and noise hazards, working with explosive or flammable materials, manual handling, sharp objects, trip hazards etc.

Safety Data Sheet (SDS)

A safety data sheet contains comprehensive information about the properties of hazardous substances, the potential risks to health and safety, and how to manage these risks.

General Information

Company and Site Name: Brown Engineering & Construction Pty Ltd T/A Brown Steel

Targeting Level 2B Targeting Level 3

Product Name: Structural Steel

Description of product:

Brown Steel Fabricates, Surface Treatment and Erection of Structural Steel.

Submission Requirements

Safety Data Sheet

Is a Safety Data Sheet (SDS) available for the **finished product**?

Yes – If an SDS is available for the **finished product**, Applicants are to attach this with their submission for this credit, ensuring all hazards, risks and controls have been clearly identified in the SDS. A summary of the SDS information is to be included in this template submission.

No – If an SDS cannot be provided for the **finished product**, Applicants must clearly identify all existing and potential hazards associated with each downstream life cycle stage for the product. The method of identification of the hazard and the safeguards to mitigate the identified hazards are also to be provided.

Lifecycle phases to be assessed

Identify and assess the physical and chemical hazards of the product in each of the following lifecycle phases in the Physical Hazards and Chemical Hazards tables below:

- Transport
- Installation
- Use and maintenance
- End of life

Clearly described all hazards and risks in the box below

Transport Hazards:

Crush injuries or muscular strains may occur as a result of unsafe loading or unloading of trucks.

Installation Hazards:

Physical Hazards: The primary physical hazards associated with transport and installation include injury from falling steel components, manual handling of heavy objects, and cuts from sharp edges.

Chemical Hazards: Chemical hazards may arise from on-site cleaning, painting, or touch-up work on the finished product.

Use and Maintenance Hazards:

Not applicable. Due to the nature of the projects undertaken, most steelwork is concealed once installed and does not require ongoing maintenance.

End-of-Life Hazards:

Hazards associated with the removal of products include potential crush injuries and cuts from sharp edges.

Health Impact - Physical Hazards

List the identified physical hazards for the relevant lifecycle phases, an example is provided below:

Health Impact Identified	Method of Identification	Safeguards	Transport	Installation	Use and Maintenance	End of life
Body crush/injury from steel falling/rolling off trucks	Safe Operating Procedures and Risk Register	Exclusion zones in place when unloading/loading, PPE, Training, Incident and Near Miss reporting	✓	✓		
Light & Burns (welding) – eye, body injury	Risk Register, Safe Operating Procedures	PPE & Training, Incident and Near Miss reporting		✓		
Slips Trips Fall	Risk Register, Safe Operating Procedures	PPE & Training, Incident and Near Miss reporting	✓	✓		
Machinery Operation – Injury	Risk Register, Safe Operating Procedures	PPE, Training, Qualifications/ Licenses for operation	✓	✓		
Sharp edges – Injury	Risk Register, Safe Operating Procedures	PPE & Training, Incident and Near Miss reporting	✓	✓		✓
Manual Handling Injury- Loading / Unloading	Risk Register, Safe Operating Procedures	PPE & Training, Incident and Near Miss reporting	✓	✓		

Additional information:

Brown Steel's Quality Management System documents all procedures and policies and Health, Safety & Environmental System identifies hazard and risk assessments, Safe work procedures, site safety requirements, PPE usage, and training requirements.

Supporting documentation

List documentation to support the above statements and upload the evidence in Credit 2.3.

Supporting Documentation <i>Name of document and location in submission</i>	Reference <i>Page no. or section of supporting document</i>	Description of Evidence
HSE-RA-002-Risk Register	All	Risk register identifies all Health & Safety and Environmental risks at Workshop
HSE-RA-003-Risk Assessment-Form	All	Risk Assessment Form for individual Risk review
HSE-RA-001-Risk Matrix	All	Risk Matrix to classify Risks
HSE-RA-004-MSDS Register	All	Material Safety Data Sheets Register
HSE-SOP-014 Welder	All	Safe Operating Procedure
HSE-SOP-015 Loading, Unloading & Handling	All	Safe Operating Procedure
HSE-SOP-013 Forklift 2025	All	Safe Operating Procedure
HSE-SOP-019 Tie Down of Pipes on Trailers & Body Trucks	All	Safe Operating Procedure
HSE-SOP-023 Manual Handling	All	Safe Operating Procedure

Health Impact - Chemical Hazards

List the identified chemical hazards for the relevant lifecycle phases:

Health Impact Identified	Method Of Identification	Safeguards	Transport	Installation	Use and Maintenance	End of life
<i>Skin irritation</i>	MSDS	PPE		✓		
Eye Irritation	MSDS & SOP	PPE & TRAINING		✓		
Ingestion of toxic substances	MSDS	PPE, Adequate Ventilation		✓		
Inhalation of toxic fumes	MSDS & SOP	PPE & TRAINING		✓		

Additional information:

Chemical Hazards:

Chemical hazards are most relevant during the installation phase which Brown Steel Subcontract.

Brown Steel MSDS Chemical Register is accessible to all relevant staff in both hardcopy and M365 Server.

Supporting documentation

List documentation to support the above statements and upload the evidence in Credit 2.3.

Supporting Documentation	Reference	Description of Evidence
Name of document and location in submission.	Page no. or section of supporting document.	
HSE-RA-004-MSDS Register	All	Material Safety Data Sheets Register
Material Safety Data Sheets	All	Material Safety Data Sheets

Version control

Version	Document Name	Date	Changes	Author	Reviewer
1	Health Impacts Declaration	13/12/22	For use	KJ	JB
1.1	Health Impacts Declaration	17/11/23	Allowed permissions to edit all relevant areas	JB	nil
1.2	Health Impacts Declaration	22/11/23	Resized text boxes to fit text	JB	nil
1.3	SSA Credit 2.3 - Health Impacts Declaration	01/08/24	Changed document name. Revised permissions to edit relevant areas & formatting amendments	MC	nil
1.4	SSA Credit 2.3 - Health Impacts Declaration	01/01/2025	Revised format on page 1 to improve user experience	MC	nil