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: Aus Iron Industries Pty Ltd

Targeting Level 2B ☒ **Targeting Level 3** ☐

Product Name: Structural Steel Fabrication

Description of product:

Fabrication of Structural Steel for infrastructure and construction projects .

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

A Safety Data Sheet is not required for our product as it is non-hazardous to downstream users.

Transport Hazards: While transporting fabricated structural steel there can be hazards associated with unsecured loads, unstable loads, slips, trips, falling, movement path awareness, chains thrown over trailer. There are also the standard hazards with driving semi trailers and the like on roadways. ***Reviewed May 2025 for recertification.***

Installation Hazards: While installing fabricated structural steel there can be hazards associated with falls from heights, manual handling, crush injuries, high noise levels, hit by moving steel, the use of heavy machinery. ***Reviewed May 2025 for recertification.***

Fire Hazards: Although steel is not considered a combustible material by the Australian Steel Institute if a fire were to occur the structural integrity of the actual structure is the wider hazard and should be considered. This risk can be mitigated through the correct application of fire resistant coatings or by following building code fire safety protocols and the like. ***Reviewed May 2025 for recertification.***

Maintenance Hazards: Post installation of the structural steel ongoing maintenance is required to ensure it meets its intended life cycle. The most significant of these is maintenance of the corrosion protection system such as paint or galvanising. If ongoing maintenance of the corrosion protection system is not carried out, the system will sacrifice itself at a faster rate to protect the steel substrate but eventually if left unchecked the steel will be subject to corrosion. ***Reviewed May 2025 for recertification.***

Structural hazards: Structural steel is subject to oxidisation. If not cared for properly over time there can be hazards associated with corrosion or degradation which could affect the overall integrity of the structure. If a structural failure were to occur this poses significant risk to property and people. ***Reviewed May 2025 for recertification.***

Environmental hazards: While fabricating structural steel there can be hazards associated with Air emissions such as Ozone, Carbon Monoxide, Particulate matter, waste. ***Reviewed May 2025 for recertification.***

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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
Transport Hazards	*Transport management*	*Chain of responsibility*	✓			
Installation Hazards	*Onsite risk assessment licenses, tickets*	*Installation SMS (Safety Management System) and the correct PPE. Hard hats, hearing protection, gloves, safety glasses, harnesses*		✓	✓	
Fire Hazards	*Design and specification, site fire and emergency management plan*	*Use of intumescent coatings or vermiculite, fire rated plasterboard*		✓	✓	
Maintenance Hazards	*Operation and Maintenance Manuals*	*Use of appropriate personal protective equipment including respiratory equipment, eye and hearing protection*			✓	
Structural Hazards	*Ongoing inspection and regular maintenance to detect and address any indication of corrosion*	*Adherence to the specification for the application of corrosion protection systems. Ongoing maintenance of the system including cleaning through to repairs and in some instances replacement*			✓	
Environmental Hazards	*Adhere to EPA rules and regulations and RAWR rules and regulations*	*Reduce air emissions and re-use steel where able to do so*				✓

Additional information:

Reviewed May 2025 for recertification..

Supporting documentation

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

Supporting Documentation *Name of document and location in submission*	**Reference** *Page no. or section of supporting document*	**Description of Evidence**
Transport Hazards	*COR*	*https://www.ntc.gov.au/laws-and-regulations/heavy-vehicle-national-law* *https://www.nhvr.gov.au/safety-accreditation-compliance/chain-of-responsibility*
Installation Hazards	LOR Next Gear (Contractor Safety Management System)	https://lorhsems.com/ https://www.hammertech.com/en-au/
Structural hazards	ISO 12944 AS 5131 As 4100	https://www.icorr.org/iso-12944-standards-corrosion-protections-part1/#:~:text=ISO%2012944%20is%20a%20globally,of%20coating%20systems%20and%20paint. AS 5131 Structural Steelwork Fabrication and Erection AS 4100 Steel Structures
Fire Hazards	Intumescent Coatings	AS 5131 Structural Steelwork Fabrication and Erection AS 4100 Steel Structures https://www.nullifire.com/en-gb/products-systems/product-ranges-overview/structural-steel-fire-protection/ https://www.intumescentcoatingsystems.com.au/product-information/international-intumescent-fire-paints
Maintenance Hazards	Maintaining painted steel	https://www.duluxprotectivecoatings.com.au/media/1564/411_cleaning_and_maintenance_of_coatings.pdf
Environmental hazards	EAP & RAWR	https://www.epa.vic.gov.au/for-community/environmental-information/air-quality/air-pollution https://www.transparency.gov.au/annual-reports/department-agriculture-water-and-environment/reporting-year/2020-21-27

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
Respiratory and skin hazard from paints, solvents	*SDS for all products used*	*Use of the correct PPE including masks, gloves, safety glasses*		✓		

Additional information:

Reviewed May 2025 for recertification.

Supporting documentation

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

Supporting Documentation *Name of document and location in submission.*	Reference *Page no. or section of supporting document.*	Description of Evidence
Paint hazards	*Dulux SDS*	*https://www.dulux.com.au/applicator/products/sds/*
Solvent hazards	*Dulux SDS*	*https://www.dulux.com.au/applicator/products/sds/*
Reviewed May 2025 for recertification.		

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