

Credit 2.3 Health Impacts Declaration

Glossary of terms

Biological Hazards

Any organic substance that presents a threat to the health of people or other living organisms. Biological hazards can include viruses, biological toxins, fungi, or bio-active substances etc.

Chemical Hazards

Any non-biological substance that can cause harm to life or health. 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 could include contaminated drinking water, exposure to toxic or carcinogenic toxins, exposure to dust or mould, exposure 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.

Guidance on using this template

This template has been developed for use by Applicants targeting Credit 2.3 Health Impacts Declaration from the SSA Certification Program. Use of the template is mandatory. If existing documentation is already in place in an organisation (for example a hazardous chemicals register), Applicants are encouraged to use this in the submission as well.

When filling out the template Applicants should ensure that all existing and potential chemical and physical health impacts have been identified and addressed. The intent of the declaration is to ensure the safety of all downstream users once the product is ready for use. Applicants are not required to address the fabrication of the product in this credit.

Supporting information should be provided justifying all claims made in the submission. Applicants should avoid using jargon, and all hazards and mitigating actions should be clearly explained in everyday language. Text boxes have been provided to allow for clear and detailed explanations to be provided for all required safeguards.



Please note that known hazards must be addressed, even if these have not been included in the SDS (if available).

General Information

Applicant Name: Alfabs Engineering

Targeting Level 2B **Targeting Level 3**

Product Name: Structural steel products

Description of product:

Custom-made structural steel products for construction and infrastructure projects.

Submission Requirements

The lifecycle phases to be addressed in the credit are:

Please ensure you nominate the relevant lifecycle phase for each identified hazard in the Declaration.

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

Safety Data Sheet

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

Yes – a copy has been attached to the submission and all hazards and risks have been clearly explained

No – If an SDS cannot be provided Applicants must clearly describe any identified hazards and how these have been addressed.



Ensure all hazards and risks have been clearly described

As a completed product, the steel article or assembly is relatively inert, so no SDS is required for the safety of all downstream users once the product is ready for use.

Installation Hazards: When the fabricated article or structure is installed, there can be hazards associated with working at heights, using heavy machinery, and working in confined spaces.

Fire Hazards: Steel is a combustible material, and if not handled properly, it can pose a fire hazard. This risk can be reduced by applying fire-resistant coatings or by following strict fire safety protocols.

Maintenance Hazards: After the installation of the structure, regular maintenance is necessary to ensure its longevity. This can involve activities such as welding, grinding, and painting, which can generate hazardous fumes, dust, and noise.

Structural Hazards: Structural steel can corrode or degrade over time, which can affect the integrity of the structure. If not addressed, this can result in structural failure and potential hazards to people and property.

Physical health impacts

Disclose all identified physical health impacts for the relevant lifecycle phases:

Health Impact Identified	Method Of Identification	Relevant Safeguards	Transport	Installation	Use and Maintenance	End of life
Transport hazards	Transport management	Chain of Responsibility	✓			
Installation hazards	Onsite Risk Assessment, permits, licences and tickets	Contractors run a safety management system.		✓		✓
Fire hazards	Design/Specification, site fire/emergency management plan	Intumescent coatings may be specified by the designer and applied to the finished steel		✓	✓	
Maintenance hazards		Use of appropriate personal protective equipment (PPE) such as respiratory protection, eye protection, and hearing protection. Conducting these activities in well-ventilated areas can also minimize exposure to hazardous fumes and dust.			✓	

Structural hazards – corrosion	Regular inspection and maintenance of the structure to detect signs of corrosion or degradation.	Steel should be designed to be protectively coated or constructed from weathering grade. Appropriate repairs or replacement of corroded sections should be carried out promptly.	✓
Environmental hazards – improper disposal at end of life	Consult with waste management professionals and adhere to local regulations for the disposal of steel.	Recycling or repurposing the structural steel may be an option to minimize waste and reduce the environmental impact.	✓



Additional Information:

Supporting documentation

Please provide documentation to support the above statements.

Supporting Documentation <i>Name of document and location in submission</i>	Reference <i>Page no. or section of supporting document</i>	Description of Evidence
Transport hazards	CoR resources	https://www.nhvr.gov.au/safety-accreditation-compliance/chain-of-responsibility/resources
Installation hazards	LOR Next Gear (Contractor safety management system)	https://lorhsems.com/
Fire hazards	Intumescent coatings	https://www.nullifire.com/en-gb/products-systems/structural-steel-fire-protection/
Maintenance hazards	Maintaining painted steel	https://www.duluxprotectivecoatings.com.au/media/1564/411_cleaning_and_maintenance_of_coatings.pdf

Chemical health impacts

Disclose all identified chemical health impacts for the relevant lifecycle phases:

Health Impact Identified	Method Of Identification	Relevant Safeguards	Transport	Installation	Use and Maintenance	End of life

Additional Information:

N/A

Supporting documentation

Please provide documentation to support the above statements.

Supporting Documentation <i>Name of document and location in submission.</i>	Reference <i>Page no. or section of supporting document.</i>	Description of Evidence

Version control

Version	Document Name	Date	Changes	Author	Reviewer
1	Health Impacts Declaration	13/12/22	For use	KJ	JB