

## 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:** Ascent Structural and Architectural Steel

**Targeting Level 2B**  **Targeting Level 3**

**Product Name:** Fabricated Structural and Architectural Steel

### Description of product:

*Ascent Structural and Architectural Steel supplies and installs custom fabricated steel for a wide range of commercial and community projects in Western Australia.*

*Products include, beams, columns, posts, rafters, frames, and architectural mesh panels.*

*Ascent Structural and Architectural Steel is involved in the fabrication, painting, delivery and installation of products.*

## 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

*All hazards and risks (as identified in the SDS) are to be clearly explained in every day language. All hazard statements and mitigation measures must be included here and/or in the sections below.*

*Manual handling and moving of large, heavy, and awkward sized items is often required. The risk of injuries from strains and sprains can be mitigated through training staff on appropriate lifting techniques, and the use of lifting equipment (e.g. cranes)*

*There is a risk of crush injuries from steel beams falling from height. This is mitigated by using exclusion zones, staff OH&S training, and maintaining a clean and tidy workplace with everything in its place.*

*Risks of injury from vehicles coming onto site (e.g. delivery trucks), and from the use of on-site machinery (e.g. forklifts) are mitigated by putting exclusion zones in place and ensuring only trained staff are driving and using machinery. Wearing appropriate PPE and ensuring all machinery is well maintained and faults are reported can also reduce risks of injury from working with machinery.*

*Transporting goods to and from site can lead to risks to the public from unsecured loads. This is mitigated through using licensed drivers and providing appropriate training, and ensuring that all laws, regulations, policies and processes are followed.*

*Injuries from sharp edges can be mitigated by wearing appropriate PPE and providing OH&S training. Maintaining a clean and tidy workplace also helps avoid accidents.*

*To mitigate the risk of inhalation injuries from dust and fumes during the cutting, grinding, welding, or painting process PPE is required (including welding masks where appropriate) and training is provided on safe working practices. Factories are equipped with extractor fans to help maintain indoor air quality and work is conducted in well-ventilated areas.*

*Welding, grinding, and cutting can lead to eye injuries. Mitigation measures include, PPE, providing protective screens as a barrier between welders and heat, ensuring all staff who use welding equipment are trained, ensuring all machinery is regularly serviced and maintained.*

*Excessive noise during fabrication can lead to injury. Mitigation measures include, PPE, noise testing, and installation of noise cancelling doors to reduce impact to the surrounding public.*

*Trip hazards are mitigated by maintaining a clean and tidy workplace, using dedicated storage areas, maintaining clear walkways and ensuring good visibility and lighting are maintained in workshops.*

*To mitigate the risk of falls from working at height, only staff who are trained on working with Elevated Work Platforms and harnesses are allowed to work at height. Maintaining a clean and tidy workplace reduces the risks of accidents.*

*Working with machinery can lead to electrocution. This is mitigated by ensuring all machinery is well maintained and regularly serviced, ensuring appropriate outlets are used, making sure areas around electronics stay dry (maintaining a clean and tidy workplace), and providing training.*

*Working with chemicals can lead to injury from skin irritation and chemical burns. This can be mitigated through PPE, using well maintained equipment, ensuring all chemicals are stored and disposed of appropriately and in line with policies and procedures, and providing training.*

*Transporting materials over long distances can lead to driver fatigue. Mitigation measures include requiring regular scheduled breaks, maintaining driver logs, not exceeding maximum allowed drive times, being organised and ensuring adequate time is provided between items leaving site and arriving on the job, using licensed and trained drivers who operate in accordance with legislation and regulations.*

*Uncontrolled environments on site can lead to increased risks to the public. This is mitigated through appropriate signage, using exclusion zones, providing staff training, and maintaining a clean and tidy site. Risks from working near public roadways are mitigated through the use of exclusion zones, spotters, signage and cones.*

## Physical health impacts

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

Health Impact Identified	Method Of Identification	Relevant Safeguards	Lifecycle Phases			
			Transport	Installation	Use and Maintenance	End of life
<b>Sharp edges</b>	Health and Safety Risk Assessment	Training and PPE provided for staff and exclusion zones are in place. Clean and tidy workplace is maintained.		✓	✓	✓
<b>Manual handling and lifting injuries</b>	Health and Safety Risk Assessment	Training and lifting equipment provided to staff.	✓	✓	✓	✓
<b>Crush injury from falling steel</b>	Health and Safety Risk Assessment	Exclusion zones in place, clean and tidy workplace and staff training.		✓	✓	✓
<b>Injury from working near vehicles and machinery</b>	Health and Safety Risk Assessment	Training and PPE provided for staff, exclusion zones in place, signage, cones, spotters, keeping machinery well maintained.	✓	✓		✓
<b>Risks from transporting materials</b>	Health and Safety Risk Assessment	Using licensed drivers, training on securing loads, processes in place to manage driver fatigue.	✓			
<b>Inhalation injuries</b>	Health and Safety Risk Assessment	Training and PPE, extractor fans and ventilation in place.		✓	✓	
<b>Eye injuries</b>	Health and Safety Risk Assessment	PPE and protective screens, training, keeping machinery well maintained.		✓	✓	
<b>Excessive noise</b>	Health and Safety Risk Assessment, noise testing	PPE and noise cancelling doors in place.		✓	✓	
<b>Trip Hazards</b>	Health and Safety Risk Assessment	Maintaining a clean and tidy workplace with clear walkways and good lighting, storing items correctly.		✓	✓	
<b>Falls risk</b>	Health and Safety Risk Assessment	PPE and training, maintaining a clean and tidy workplace.	✓	✓	✓	✓
<b>Electrocution</b>	Health and Safety Risk Assessment	PPE and training, maintaining equipment, using correct outlets, maintaining a clean and tidy workplace.		✓	✓	✓
<b>Working with chemicals</b>	Health and Safety Risk Assessment	PPE and training, well maintained equipment, following policies and processes to store and dispose of chemicals.		✓	✓	

**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
<i>Onsite Risk Assessment Appendix B. <b>Example Only.</b></i>	<i>Pages xx - xx</i>	<i>External Onsite Risk Assessment undertaken for Applicant by [NAME] showing all identified health risks.</i>
<b>Environment, Health and Safety Risk Assessment</b>	Page 14 of Environment, Health and Safety Handbook	Health and Safety risk assessment conducted with external consultant.

**Chemical health impacts**

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

Health Impact Identified	Method Of Identification	Relevant Safeguards	Lifecycle Phases			
			Transport	Installation	Use and Maintenance	End of life
<b>Respiratory hazard from paints and coatings</b>	<i>Chemicals of Concern Register</i>	Adequate ventilation, appropriate PPE, correct handling, storage and disposal of chemicals.		✓	✓	
<b>Welding gasses</b>	<i>Chemicals of Concern Register</i>	Adequate ventilation, appropriate PPE, correct handling, storage and disposal of chemicals.	✓	✓		
<b>Fuel</b>	<i>Chemicals of Concern Register</i>	Adequate ventilation, appropriate PPE, correct handling, storage and disposal of chemicals.	✓	✓		

**Additional Information:**

Please provide any additional information on the health impacts identified above that were not captured in the table. Please ensure all relevant safeguards are clearly detailed.

**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
<b>Health and Safety Risk Assessment</b>	<i>Page 14 of Environment, Health and Safety Handbook.</i>	Safety Data Sheet for Product A.
<b>Chemicals of Concerns Register</b>	Risk Register – Chemicals of Concern Tab	
<b>Product Safety Data Sheets</b>	SDS zip file	

**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