

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: [BWS INDUSTRIES]

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

Product Name: [Fabricated Steelwork]

Description of product:

BWS Industries produces a variety of work, both temporary and permanent, ranging across multiple sectors, including transport, civil infrastructure, and building. Steelwork fabricated by BWS Industries is installed directly by the client or their subcontractor.

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

Fabricated steel products and assemblies are relatively inert. Therefore, no SDS is required for the safety of all downstream users, once ready for use.

Transport: *Workers transporting steel fabricated by BWS Industries must adhere to the rules for load restraint as denoted in the Load Restraint Guide 2004 and 2018. A chain of responsibility (C.O.R) must be upheld, recorded in procedure, and ensure the safe transportation of BWS Industries fabricated steel articles/assemblies. The risks to workers, bystanders, and road users in transporting BWS Industries fabricated steel items can include serious injury or death.*

Installation: *Installers of BWS Industries fabricated steel items (non-BWS Industries personnel) in construction settings must be guided by the rules established by the Work Health and Safety Act 2020, the Work Health and Safety (General) Regulations 2022, as well as any model codes of practice and Australian Standards referred to in the Act and Regulations. Risks associated with the installation of BWS Industries steel items include but are not limited to crush injuries, musculoskeletal injuries, death, hearing damage, cuts and lacerations.*

Use and maintenance: *Raw/Untreated Steelwork that is exposed to the external elements, will continuously rust over time. If steel has not been galvanised or appropriately painted, presents a hazard to downstream users. Rusted steel causes deterioration and may break, and the sharp edges of rusted steel have the potential to cut and cause tetanus. Maintenance of any BWS Industries steel must be according to the preceding health and safety legislative standards. Personal protective equipment, particularly safety glasses and cut-resistant gloves and clothing, must be worn to protect end users. The end user is responsible for the maintenance of painted/galvanized coated surfaces, by performing regular inspections to identify and prevent any potential/further rusting.*

End of life: *Demobilisation, deconstruction and demolition of BWS Industries steel items requires the same observance of health and safety legislation as for its installation. Sharp edges of steel have the potential to cut and lacerate end users and steel that is unsupported, or removed from its foundation has the potential to fall and cause crush injuries and death to an end user. Steel must not be disposed, but instead, recycled or reused so that waste is minimized and environmental impact is reduced.*

Physical health impacts

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

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.

| Health Impact Identified | Method Of Identification | Relevant Safeguards | Transport | Installation | Use and Maintenance | End of life |
|--|--------------------------|--|-----------|--------------|---------------------|-------------|
| Physical Hazard - Cut/Laceration | Onsite Risk Assessment | PPE – Gloves and Full-Length Clothing | | ✓ | ✓ | ✓ |
| Physical Hazard - Musculoskeletal Injury | Onsite Risk Assessment | Identification of liftable load/item. Mechanical lifting aids (forklift, crane, pallet jacks) Correct Manual Handling Techniques | | ✓ | ✓ | |
| Physical Hazard - Crush Injury | Onsite Risk Assessment | Physical Barriers around unsupported steelwork Barriers to prevent standing underneath suspended loads. C.o.R & Load Restrain Guides | ✓ | ✓ | | ✓ |
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Additional Information:

Supporting documentation

Please provide documentation to support the above statements.

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 |
|-----------------------------------|---|--|-----------|--------------|---------------------|-------------|
| Chemical Hazard - Paint Touch-ups | Inspection and Maintenance – Paint Condition/Degradation or Corrosion | Appropriate PPE – Respiratory, Eye and Hearing Protection Well-ventilated area or use of extraction devices (if/where possible) Person/s conducting Touch-Ups must Use Appropriate Paints containing negligible VOC levels | | | ✓ | |

Additional Information:

Fabricated steel products and assemblies are relatively inert. No chemical hazards are identified for the steel itself, and therefore, no SDS is required for the safety of all downstream users, once ready for use.

Supporting documentation

Please provide documentation to support the above statements.

Version control

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