

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: Dwyer Engineering

Targeting Level 2B **Targeting Level 3**

Product Name: Fabricated Steel Products

Description of product:

Fabricated steel items

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

As a completed product, the steel assembly is relatively inert, so no SDS is required..

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 cuts from Sharp edges of steel	Visual inspection and incident reports	All staff members are provided with training and PPE..	✓	✓	✓	
Body crush/injury from steel falling/rolling off trucks	Visual inspection, incident reports	Exclusion zone, restraints, safe stacking	✓	✓		
Manual handling strain	Visual inspection and incident reports	Safe handling training, mechanical aids	✓	✓		
Noise	Noise monitoring	Use of ear protection, regular machine maintenance	✓	✓		
VOC exposure	Coating Product Data Sheet, SDS	Follow Dwyer Surface Treatment Procedure		✓	✓	✓
Installation	Onsite risk assessment, Permits & Licences such as high-risk work licence, hot work permit etc.	Safety management system implemented for site installation works which include verification of requirements			✓	✓
Fire	Emergency management plan	Training all staff	✓	✓	✓	✓
Slips, trips, and falls	Workplace inspection, incident records	Housekeeping, signage, anti-slip mats	✓	✓	✓	✓
Electrical shock/burns	Electrical inspection, permits	Lockout/tagout, insulated tools, training	✓	✓	✓	✓

Additional information:

These risks can be mitigated by adhering to procedures and using appropriate personal protective equipment

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
Onsite risk assessment	<i>All</i>	<i>Onsite Risk Assessment undertaken showing all identified health risks.</i>
Personal Protective Equipment Procedure	<i>All</i>	Requirements for PPE
Manual Handling Procedure	<i>All</i>	Process for safe handling and storage of materials. It details the methods for safely lifting and transporting heavy objects, as well as guidance for handling sharp edges.

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 hazard from coating	SDS	Adequate ventilation and appropriate PPE (masks)	✓	✓	✓	
Skin Irritation	Incident reports, Skin check	Adequate cleaning and sealing before transportation, use of glove	✓	✓	✓	
Dust Inhalation	Air quality monitoring, SDS	Ventilation, masks/respirators, dust suppression		✓	✓	
Eye irritation	SDS, first aid reports	Use of eye protection, training on handling	✓	✓	✓	
Chemical burns	SDS, incident records	PPE (gloves, face shield), emergency washing stations	✓	✓	✓	
Long-term exposure to hazardous substances	SDS, health surveillance programs	Substitution, PPE, health monitoring programs	✓	✓	✓	
Fumes	SDS, air monitoring	Low-VOC product selection, ventilation, PPE	✓	✓	✓	

Additional information:

These risks are mitigated by:

Personal Protective Equipment (PPE): gloves, goggles, respirators, and protective clothing
 Ventilation: proper ventilation systems to reduce exposure to chemical fumes and vapours
 Storage: proper storage of chemicals, following Safety Data Sheet (SDS) guidelines
 Training: regular training for workers on the handling, storage, and disposal of chemicals
 Spill management: having spill kits and procedures in place to manage chemical spill

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
Safety Data Sheet Register	<i>All</i>	<i>Safety Data Sheets for products are recorded and available to all personnel</i>
Safety Data Sheets	<i>All</i>	SDS provide comprehensive information on chemicals used, including potential health hazards, recommended PPE, and first aid measures.

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