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: InfraBuild Reinforcing

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

Product Name: InfraBuild reinforcing steel

Description of product:

InfraBuild Reinforcing supplies reinforcing steels to the construction & infrastructure markets, via finished products including straight bar, cut and bent bar, specialised bar and mesh products and fabricated reinforcing cages. (Described as "the product" hereafter)

InfraBuild Reinforcing is only involved in the production, manufacture and distribution phases, usually to a project site. Installation is normally done by others, and InfraBuild Reinforcing is not involved in the Use and Maintenance phase, nor the end of life phase.

Submission Requirements

Lifecycle phases to be assessed

Please assess and identify physical and chemical hazards of your product in each of the following lifecycle phases in the Physical Health Impacts and Chemical Health Impacts tables below:

- 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

InfraBuild Reinforcing (IBR) has a Safety Data Sheet available on request from your local InfraBuild Reinforcing branch. Branch details are available at https://www.infrabuild.com/branch-locator/

The product is not classified as hazardous according to the Australian Work, Health and Safety regulations, or the Globally Harmonised System of Classification and labelling of Chemicals (GHS).

When handling or storing the product, the use of safe work practices (including suitable PPE) are recommended to avoid eye or skin contact, inhalation, and other hazards and risks. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Store the product in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs.

The product is incompatible with acids (eg. nitric acid) and evolving flammable hydrogen gas.

Dusts will react with oxidising agents (eg. hypochlorites), acids and alkalis.

If molten, the product will react explosively with water.

The product may have sharp edges, which may present a risk of cuts and abrasions. Ensure correct handling and storage procedures are followed, including the use of PPE.

The product may evolve metal oxides when heated to decomposition.

The product may be heavy, safe lifting procedures should be observed when handling.

The product may present a trip hazard when stored and in use. Safe storage, installation and use practices should be observed at all times. Storage areas and exclusion zones should be clearly identified as required.

Dust and toxic fumes may be generated during cutting, grinding, welding or melting.

Any welding, cutting or other work done onsite to the product needs to be done to the correct standards and regulations, including around any fumes, dust, visual or audible pollution, sparks or waste generated.

All machinery used should be suitable for the application, tested and used by experienced personnel.

Correct transport and lifting procedures of the product, in line with all required standards, regulations, policies and procedures, should be followed at all times.

Products that are tied together need to be handled an unpacked carefully, as stored energy in the strapping or ties may be released during handling or unpacking.

All personnel coming into contact with the products should be suitable trained, instructed, supervised and experienced with the product.

Users should have suitable risks-assessments done and suitable procedures developed and implemented to address any hazards and risks.

Physical Health Impacts

Disclose all identified physical health impacts for the relevant lifecycle phases, an example is provided below:

Health Impact Identified	Method of Identification	Relevant Safeguards	Transport	Installation	Use and Maintenance	End of life
Body cuts from Sharp edges	*Onsite Risk Assessment*	*All staff members are provided with training and PPE*		✓	✓	
Transport	Take 2 Onsite risk assessment	Ensure transport procedures (including Transport Safety Network Guidelines) are followed	✓			
End of life	Take 2 Onsite risk assessment	Safe handling procedures, as per other areas already identified				✓

Additional information:

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

Irritation may occur if the product comes in contact with skin or hair, or is ingested. Where inhalation risk exists, wear a Class P1 (Particulate) respirator. At high dust levels, wear a Class P3 (Particulate) respirator.

Also refer to additional responses on page 1

Supporting documentation

Please list documentation to support the above statements and upload the evidence in your audit record.

Supporting Documentation *Name of document and location in submission*	**Reference** *Page no. or section of supporting document*	**Description of Evidence**
Onsite Risk Assessment Appendix B. ***Example Only.***	*Pages xx - xx*	*External Onsite Risk Assessment undertaken for Applicant by [NAME] showing all identified health risks.*
SDS	Various	Safety Data Sheet for InfraBuild reinforcing bar Issue date; 31/01/2023
TL-77-4454_InfraBuild-OHS-Response-as-Supplier	Various	Document developed by InfraBuild as a standard for response to Credit 3.3 Procurement OH&S Assessment from participants of the SSA Certification Program

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
Example: Respiratory hazard from coating	SDS	Adequate ventilation and appropriate PPE (masks) are required for anyone handling the product		✓	✓	
As noted above	SDS	Correct PPE, storage, handling, ventilation, dust & fume extraction procedures need to be followed	Y	Y		
The product is stable under the recommended conditions of storage	SDS	Follow recommended conditions of storage	Y	Y		

Additional information:

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

Product is non-toxic as supplied.
Toxic dust/fume generated may be generated during cutting, grinding, welding or melting.

Acute toxicity

If Inhaled;
Low to moderate irritant. Over exposure may result in irritation of the nose and throat, with coughing.

If Ingested;
May be harmful. Ingestion may result in gastrointestinal irritation, nausea, vomiting, abdominal pain and diarrhoea.

Contact with Skin;
Low irritant. Prolonged or repeated exposure to dust may result in mechanical irritation and dermatitis.

Contact with Eye;
Low to moderate irritant. Contact may result in mild irritation, lacrimation and redness.

Specific target organ toxicity - single exposure;
Over exposure may result in irritation of the nose and throat, with coughing. Potentially harmful – composition of contaminants may vary.

Chronic Toxicity

Specific target organ toxicity – repeated exposure

Not classified as causing organ damage from repeated exposure. However, repeated exposure to iron has been associated with a benign pneumoconiosis, not affecting lung function.

Supporting documentation

Please list documentation to support the above statements and upload the evidence in your audit record.

Supporting Documentation *Name of document and location in submission.*	**Reference** *Page no. or section of supporting document.*	**Description of Evidence**
Example: *Safety Data Sheet Appendix A.*	*Pages xx - xx*	*Safety Data Sheet for Product A.*
Safety Data Sheet	Various	Safety Data Sheet for InfraBuild reinforcing bar. Issue date; 31/01/2023

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	Health Impacts Declaration	01/08/24	Revised permissions to edit relevant areas & formatting amendments	MC	nil