

General Information

Company and Site Name: HVAC Australia - Redbank

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

Product Name: Fabricated Steel Structures and Assemblies

Description of product:

Project-specific steel structures and assemblies fabricated from structural steel sections, plate and associated steel components in accordance with approved drawings and specifications. Products may vary in size, mass, configuration and intended application and may be supplied as uncoated steel or with specified finishes including hot-dip galvanising, paint or powder coating. Cementitious/concrete grout may also be used in association with the product during installation.

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

All hazards and risks are to be clearly explained. All hazard statements and mitigation measures must be included here and/or in the sections below.

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
Cuts/lacerations from sharp edges, corners, burrs or damaged steel/coatings	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); product characteristics and visual inspection	Deburr/remove sharp edges where practicable; careful handling; suitable gloves and PPE; protect/identify exposed sharp edges.	✓	✓	✓	✓
Crush/impact injury from falling, rolling, overturning or uncontrolled movement of steel structures/assemblies	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); product mass/dimensions and foreseeable handling activities	Adequate support and load restraint; suitable rated mechanical handling/lifting equipment; planned loading/unloading; exclusion zones; competent personnel; no persons beneath suspended loads.	✓	✓		✓
Musculoskeletal injury from manual handling of steel components	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); product weight/size and manual handling risk	Use mechanical assistance where practicable; assess weight, size and access; team handling where suitable; appropriate handling techniques.	✓	✓	✓	✓
Crush/pinch injuries to hands or body during positioning, assembly, bolting or dismantling	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); foreseeable installation and dismantling activities	Keep hands/body clear of pinch points; controlled positioning; use tag lines/positioning tools where appropriate; exclusion zones and competent personnel.		✓	✓	✓
Injury from instability or structural movement before fully secured or during dismantling	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); approved drawings and foreseeable installation/dismantling sequence	Follow engineered/approved installation or dismantling sequence; temporary supports/bracing where required; do not release lifting equipment until the assembly is adequately supported and secured.		✓		✓
Falls from height during installation, inspection, maintenance or dismantling	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); foreseeable access requirements	Site-specific work-at-height assessment; suitable access systems and fall prevention/protection; SWMS where required; competent persons.		✓	✓	✓
Eye/impact injury from metal particles during drilling, cutting or grinding	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); foreseeable modification/maintenance	Use suitable guarded tools; eye/face protection; control sparks/particles; maintain exclusion from the immediate work area.		✓	✓	✓
Burns from hot metal generated by welding, thermal cutting or grinding	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); foreseeable hot-work activities	Hot-work controls; suitable PPE; control access; identify hot surfaces and allow material to cool before handling.		✓	✓	✓
Noise/vibration exposure during drilling, cutting, grinding or dismantling	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); foreseeable powered-tool use	Select suitable equipment; hearing protection where required; limit exposure; follow task/site risk assessment and SWMS.		✓	✓	✓
Slips/trips from components, packaging, offcuts or dismantled materials	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); foreseeable handling and worksite conditions	Good housekeeping; designated storage/laydown areas; secure loose materials; keep access and work areas clear.	✓	✓	✓	✓

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
HVAC Risk Assessment Form 3.1-7 – Downstream Health Impacts – Fabricated Steel Structures and Assemblies	Pages 1–3 / Hazard Assessment and Controls	Risk assessment identifying foreseeable downstream physical and chemical hazards and required controls across transport, installation, use/maintenance and end-of-life stages.
Project-specific approved drawings / lifting or installation information (where applicable)	Relevant project documentation	Provides product-specific dimensions, configuration, connection details and information relevant to safe handling and installation.

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 exposure to welding fumes and metal particulates when steel is welded or thermally cut	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); known steel properties and foreseeable downstream hot work	Avoid unnecessary onsite modification; task-specific hot-work assessment; adequate ventilation/local exhaust ventilation; suitable RPE/PPE where required.		✓	✓	✓
Exposure to zinc oxide fumes when hot-dip galvanised steel is welded, flame cut or heated	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); known characteristics of galvanised coatings; supplier information where available	Identify galvanised finish; control fumes using ventilation/LEV; suitable RPE/PPE; locally remove coating where required by approved work procedure; inform persons undertaking hot work.		✓	✓	✓
Exposure to metal/zinc-containing dust from grinding, sanding or mechanically disturbing galvanised steel	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); product finish and foreseeable modification	Minimise uncontrolled dry grinding; use on-tool extraction/LEV or other dust controls where practicable; suitable eye and respiratory protection.		✓	✓	✓
Exposure to dust, fumes or decomposition products from powder-coated surfaces during sanding, grinding, welding or thermal cutting	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); coating type; supplier SDS/product information where available	Identify coating before disturbance where practicable; review available SDS/product information; ventilation/extraction; suitable PPE/RPE; control hot work.		✓	✓	✓
Exposure to dust, vapours or decomposition products from painted surfaces during sanding, grinding, welding or thermal cutting	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); coating type; supplier SDS/product information where available	Identify coating before disturbance where practicable; follow relevant coating SDS/information; use ventilation/LEV and suitable PPE/RPE; control hot work.		✓	✓	✓
Skin/eye irritation or alkaline burns from wet cementitious/concrete grout used during installation	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); grout manufacturer SDS/product information	Use grout in accordance with manufacturer SDS/instructions; avoid skin/eye contact; suitable gloves, protective clothing and eye protection; provide washing facilities.		✓		
Respirable crystalline silica exposure if hardened grout/concrete is drilled, cut, ground or demolished	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); known cementitious material characteristics; foreseeable maintenance/demolition	Avoid uncontrolled dry cutting/grinding; use wet methods and/or suitable on-tool extraction; task-specific silica controls and suitable RPE where required.			✓	✓
Exposure to fumes/dust from unknown, aged or subsequently applied coatings during maintenance or end-of-life processing	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); condition/service history and foreseeable disturbance	Identify existing coatings where practicable before disturbance; assess unknown coatings conservatively; ventilation/extraction; suitable PPE/RPE; hot-work controls.			✓	✓
Inhalation/eye exposure to metal dust during abrasive cutting, grinding or recycling	HVAC Downstream Product Health Impact Risk Assessment (Form 3.1-7); foreseeable dismantling/recycling activities	Use engineering dust controls; suitable respiratory and eye protection; task-specific assessment by party undertaking dismantling/recycling.			✓	✓

Additional information:

The completed steel product is generally chemically stable during normal transport, handling and use. Chemical exposure hazards principally arise where steel, coatings or associated grout are mechanically or thermally disturbed during installation, maintenance, modification or end-of-life activities. Products may be uncoated, hot-dip galvanised, painted or powder coated. Before welding, cutting, grinding, sanding or otherwise disturbing a coating, the downstream party should identify the finish where practicable and assess potential fumes, dusts or decomposition products. Relevant supplier SDS/product information should be consulted where available. Cementitious/concrete grout used during installation is to be handled in accordance with the grout manufacturer SDS/instructions.

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Supporting Documentation <i>Name of document and location in submission.</i>	Reference <i>Page no. or section of supporting document.</i>	Description of Evidence
HVAC Risk Assessment Form 3.1-7 – Downstream Health Impacts – Fabricated Steel Structures and Assemblies	Pages 1–3 / Hazard Assessment and Controls	Primary supporting assessment identifying foreseeable chemical exposure scenarios and safeguards for the finished product.
Supplier SDS / product information for galvanising, paint, powder coating and cementitious grout (where applicable)	Relevant current SDS / supplier technical information	Provides substance/coating-specific hazard, handling, PPE and exposure-control information where the particular finish or grout is used.

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