

Industry Code: 42120 Sandblasting

This document is a guideline only. Employers have a responsibility of assessing all applicable occupational health and safety legislation, for the tasks they are performing.

Sandblasting is performed to smooth the product surface, remove old coatings or rust, most often as a preparatory activity for painting or application of other coating.

Task description	Type of equipment used and workers employed
A fine spray of sand, grit, plastic pellets or beads is applied under high pressure by a compressor, hose and spray nozzle.	Equipment includes; mobile and portable sprayers, compressors, agitators, scaffolding.
Sandblasting activity is performed at a project location or at a fabrication facility, designated blasting area.	Workers include; sandblasters, painters, laborers, technical staff, sales/estimators, and administrative staff.

Relevant sections of OHS Legislation:

Occupat	Occupational Health and Safety Act			
Section	2	Obligations of employers, workers, etc.		
	18	Serious injuries and accidents		
	19	Investigation of accidents		
	35	Existence of imminent danger		
	37	Disciplinary action complaint		

Occupational Health and Safety Regulation				
Section	7	Availability of specifications		
	12	Equipment		
	13	General protection of workers		
	14	Duties of workers		
	15	Safety training		

Occupational Health and Safety Code (2009)		
Part 1	Section	
Definitions and	2.1	Availability of legislation
General Application	2.2	Designated person to prepare plan

Part 2	Section	
Hazard Assessment,	7	Hazard assessment
Elimination and	8	Worker participation
Control	9	Hazard elimination and control



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Part 3	Section	
Specifications and	12	Following specifications
Certifications	13	Manufacturer's and Professional Engineer's specifications
	14	Certification by a professional engineer
	15	Approved equipment

Part 4	Section	
Chemical Hazards,	16	Worker exposure to harmful substance
Biological Hazards	21	Potential worker exposure
and Harmful	22	Worker overexposure
Substances	24	Emergency baths, showers, eye wash equipment
	27	Storage of harmful substance
	39	Use of crystalline silica in abrasive blasting
	40	Health assessments for workers exposed to asbestos, silica or
		coal dust
	Refer to	schedule 1

Part 5	Section	
Confined Spaces	44	Code of practice
_	45	Hazard assessment
	46	Training
	47	Entry permit system
	48	Safety and protection - generally
	49	Protection – hazardous substance and energy
	50	Unauthorized entry
	51	Traffic hazards
	52	Testing the atmosphere
	53	Venting and purging
	54	Inerting
	55	Emergency response
	56	Tending worker
	57	Entry and exit
	58	Retaining records

Part 7	Section	
Emergency	115	Emergency response plan
Preparedness and	116	Contents of plan
Response	117	Rescue and evacuation workers
	118	Equipment

Part 8	Section	
Entrances, Walkways,	119	Safe entry and exit
Stairways and Ladders	133	Portable Ladders; Prohibition
	135	Portable Ladders; Manufacturing Standards
	136	Portable Ladders; Securing and Positioning
	137	Portable Ladders; Fall Protection



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Part 11	Section	
First Aid	178	Providing services, supplies, equipment
	179	Location of first aid
	180	Emergency transportation
	181	First aid providers
	182	Duty to report injury or illness
	183	Record of injury or illness
	184	First aid record access
	Refer to	Schedule 2

Part 12	Section	
General Safety	185	Housekeeping
Precautions	186	Lighting
	187	Pallets and storage racks
	188	Restraining hoses and piping
	189	Securing equipment and materials

Part 14	Section	
Lifting and Handling	208	Equipment
Loads	209	Adapting to heavy or awkward loads
	210	Assessing manual handling hazards

Part 15	Section	
Managing the Control	212	Isolation
of Hazardous Energy	213	Verifying Isolation
	214	Securing by Individual Workers
	215.3	Returning to operation

Part 16	Section	n	
Noise Exposure	218	Worker exposure to noise	
	222	Hearing protection	
	Refer 1	Refer to schedule 3	

Part 18	Section	
Personal Protective	228	Duty to use personal protective equipment
Equipment	229	Eye protection (compliance with standards)
	233	Footwear
	234	Head protection
	242	Limb and body protection
	243	Skin protection
	244	Respiratory dangers
	245	Code of practice
	249	Quality of breathing air
	255	Abrasive blasting operations



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Part 22	Section	
Safeguards	310	Safeguards
	311	Tampering with safeguards
	312	No safeguards
	314	Covering openings
	315	Guardrails
	316	Hoppers, bins, chutes
	318	Protection from falling objects
	321	Toe boards

Part 24	Section	
Toilets and Washing	254	Restrictions by employer
Facilities	355	Drinking fluids
	356	Exception (temp. site)
	357	Toilet facilities

Part 25	Section	
Tools, Equipment and	362	Contact by clothing, etc.
Machinery	368	Controls
	375	Grinders

Part 27	Section	
Violence	389	Hazard assessment
	390	Policy and procedures
	391	Instruction of workers
	392	Response to incidents

Part 28	Section	
Working Alone	393	Application
	394	Precautions required (communication)

Part 29	Section	
Workplace Hazardous	397	Training
Materials Information	398	Label required
System (WHMIS)	400	Decanted products
	404	Material Safety Data Sheet - Supplier
	406	Information current (MSDS)
	407	Availability of Material Safety Data Sheet