

Alberta Small Employer OHS Legislated Requirements

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:

Occupational Health and Safety Act
Section 3,4,5 Obligations of employers, workers, etc. 40 Serious injuries and accidents 53 Investigation of injuries and incident 31 Existence of imminent danger 37 Discriminatory action complaint 16-17 Joint Work Site Health and Safety Committees and Health and Safety Rep.

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

Part 4	Section	
Chemical Hazards, Biological Hazards and Harmful Substances	16	Worker exposure to harmful substance
	21	Potential worker exposure
	22	Worker overexposure
	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 Response	116	Contents of plan
	117	Rescue and evacuation workers
	118	Equipment

Part 8	Section	
Entrances, Walkways, Stairways and Ladders	119	Safe entry and exit
	133	Portable Ladders Prohibition
	135	Manufactured portable ladder
	136	Securing and Positioning
	137	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 of Hazardous Energy	212	Isolation
	213	Verifying Isolation
	214	Securing by Individual Workers
	215.3	Returning to operation

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

Part 18	Section	
Personal Protective Equipment	228	Duty to use personal protective 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 Facilities	354	Restrictions by employer
	355	Drinking fluids
	356	Exception (temp. site)
	357	Toilet facilities

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

Part 27	Section	
Violence and Harassment	389	Hazard assessment
	390	Violence prevention plan
	390.4	Harassment prevention plan
	391	Training of workers
	391.1	Investigation and reporting of incidents

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

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