

List of Designated Substances, Designated by the OHS

Designated Substances likely to be found in TCHC buildings:

Designated Substance – Arsenic, Reg. 836, am. O. Reg. 378/91

(sometimes found in pressure treated lumber)

Designated Substance – Asbestos, Reg. 837, am. O. Reg. 382/91

(sometimes found in insulation, plaster, tile, piping, siding, gaskets etc.)

Designated Substance – Asbestos on Construction Projects and in Building and Repair Operations, Reg. 278/05

(sometimes found in insulation, plaster, tile, piping, siding, gaskets etc.)

Designated Substance – Lead, Reg. 843, am. O. Reg. 374/91

(sometimes found in paint and other coatings, plumbing etc.)

Designated Substance – Mercury, Reg. 844, am. O. Reg. 375/91

(sometimes found in thermostats and other controls)

Designated Substance – Silica, Reg. 845, am. O. Reg. 521/92, 391/00

(sometimes found in concretes and plasters etc.)

Designated Substances not likely to be found in TCHC buildings:

Designated Substance – Acrylonitrile, Reg. 835, am. O. Reg. 353/91

Designated Substance – Benzene, Reg. 839, am. O. Reg. 511/92, 387/00

Designated Substance – Coke Oven Emissions, Reg. 840, am. O. Reg. 381/91

Designated Substance – Ethylene Oxide, Reg. 841, am. O. Reg. 379/91

Designated Substance – Isocyanates, Reg. 842, am. O. Reg. 377/91

Designated Substance – Vinyl Chloride, Reg. 846, am. O. Reg. 376/91

Department	All TCHC Units
File No.	13184
Suspect Designated Substance	Mercury
Assessment Performed by	Anne-Marie Landis

Work Operations														Recommended Exposure Controls										Conclusion - Potential Exposure with Recommended Controls						
	Occupations	Frequency	Duration	Quantity Involved	Routes of Actual or Potential Exposure								Engineering Controls			Hygiene Facilities			Hygiene Practices		Exposure Control Work Procedures	Administrative Exposure Controls	Personal Protective Devices (Describe)				None	Trivial	> Trivial < Potentially Significant	Potentially Significant
					Inhalation	A/P/B	Absorption	A/P/B	Skin Contact	A/P/B	Ingestion	A/P/B	Containment	MGV	LEV	Eyewash	Shower	Sink	Post Use Wash-up	Other	(Describe)	(Describe)	Hands	Respiratory	Eyes	Other				
Paint																														
Scraping paint/varnish from surface	Maintenance, Building Operators, Property Manager	Less than 1 per month	A few min per occasion	Small	√	B			√	B	√	P	√		√	√		√	Change clothing post work	Perform work in unoccupied area			Gloves	Half Face Respirator with P100 Cartridge	Safety glasses with side shield	If frequency greater than noted, don impervious body suit	√			
	Painters	1 or more per week	1-2 hours per occasion	Small to Medium	√	B			√	B		P	√		√	√		√	Change clothing post work	Perform work in unoccupied area			Gloves	Half Face Respirator with P100 Cartridge	Safety glasses with side shield	If frequency greater than noted, don impervious body suit	√			
Sanding painted/varnished surface	Maintenance, Building Operators, Property Manager	Less than 1 per month	A few min per occasion	Small	√	B			√	B	√	P	√		√	√		√	Change clothing post work	Perform work in unoccupied area			Gloves	Half Face Respirator with P100 Cartridge	Safety glasses with side shield	If frequency greater than noted, don impervious body suit	√			
	Painters	1 or more per week	1-2 hours per occasion	Small to Medium	√	B			√	B	√	P	√		√	√		√	Change clothing post work	Perform work in unoccupied area			Gloves	Half Face Respirator with P100 Cartridge	Safety glasses with side shield	If frequency greater than noted, don impervious body suit	√			
Drilling painted/varnished surface	Maintenance, Building Operators, Property Manager	Less than 1 per month	A few min per occasion	Small	√	B			√	B	√	P	√		√	√		√		Perform work in unoccupied area			Gloves	Half Face Respirator with P100 Cartridge	Safety glasses with side shield		√			
	Painters	Less than 1 per month	A few min per occasion	Small	√	B			√	B	√	P	√		√	√		√		Perform work in unoccupied area			Gloves	Half Face Respirator with P100 Cartridge	Safety glasses with side shield		√			
Breaking/demolishing painted/varnished surface	Maintenance, Building Operators, Property Manager	Less than 1 per month	A few min per occasion	Small	√	B			√	B	√	P	√		√	√		√	Change clothing post work	Perform work in unoccupied area			Gloves	Half Face Respirator with P100 Cartridge	Safety glasses with side shield	If frequency greater than noted, don impervious body suit	√			
	Painters	Less than 1 per month	A few min per occasion	Small	√	B			√	B	√	P	√		√	√		√	Change clothing post work	Perform work in unoccupied area			Gloves	Half Face Respirator with P100 Cartridge	Safety glasses with side shield	If frequency greater than noted, don impervious body suit	√			

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					Routes of Actual or Potential Exposure								Engineering Controls			Hygiene Facilities			Hygiene Practices		Exposure Control Work Procedures	Administrative Exposure Controls	Personal Protective Devices (Describe)				None	Trivial	> Trivial < Potentially Significant	Potentially Significant	
					Inhalation	A/P/B	Absorption	A/P/B	Skin Contact	A/P/B	Ingestion	A/P/B	Containment	MGV	LEV	Eyewash	Shower	Sink	Post Use Wash-up	Other	(Describe)	(Describe)	Hands	Respiratory	Eyes	Other					
Removing or replacing damaged thermostats/switches	Maintenance, Building Operators, Property Managers	Less than 1 per year	Less than 1 hour per occasion	Small					√	P	√	P					√	√	√	√	Change clothes post work	Perform work in unoccupied area		Gloves		Safety glasses with side shield		√			
	Electricians	Less than 1 per month	Less than 1 hour per occasion	Small					√	P	√	P					√	√	√	√	Change clothes post work	Perform work in unoccupied area		Gloves		Safety glasses with side shield		√			
Fluorescent Light Bulbs																															
Removing or replacing intact fluorescent light bulbs	Maintenance, Building Operators, Property Managers	More than once per week	A few minutes per occasion	One to ten					√	P														Gloves		Safety glasses with side shield		√			
	Electricians	More than once per month	A few minutes per occasion	One to ten					√	P																					
Removing or replacing damaged fluorescent light bulbs	Maintenance, Building Operators, Property Managers	Less than once per month	A few minutes per occasion	One to ten					√	P	√	P					√	√	√	√	Change clothes post work	Perform work in unoccupied area		Gloves		Safety glasses with side shield		√			
	Electricians	Less than once per month	A few minutes per occasion	One to ten					√	P	√	P					√	√	√	√	Change clothes post work	Perform work in unoccupied area		Gloves		Safety glasses with side shield		√			