

Type of Chemical	Name of Chemicals Involved	Synonym (Used in Table Z-2)	Mechanical Ventilation Provided (Y/N)	Emission Control Provided (Y/N)	Estimated Emission Rate [1]	Estimated Max. Emission Rate		Reference Organization [2]	Conversion				Permissible Exposure Limit (PEL) (in 8-hour Time-weighted Average) (µg/m3)	Is it below PEL?
						(µg/m3/hr)	In 8-hour Period (µg/m3)		ppm	Molecular Weight, g/mol	mg/m^3	ug/m^3		
Organic	Chloroethane	Ethyl chloride	Y	Y	< 0.3 µg/m ³ /hr	3.00E-01	2.40E+00	USA - OSHA	-	64.51	2600.00	2600000	2.60E+06	Yes
	1,3-butadiene	-	Y	Y	< 0.3 µg/m ³ /hr	3.00E-01	2.40E+00	USA - OSHA	1	54.0916	2.21	2212.34	2.21E+03	Yes
	Dichloromethane	Methylene chloride	Y	Y	< 5 µg/m ³ /hr	5.00E+00	4.00E+01	USA - OSHA	25	84.93	86.84	86840	8.68E+04	Yes
	Chloroform	-	Y	Y	< 0.49 µg/m ³ /hr	4.90E-01	3.92E+00	USA - OSHA	-	-	240.00	240000	2.40E+05	Yes
	1,2-dichloroethane	Ethylene dichloride	Y	Y	< 1 µg/m ³ /hr	1.00E+00	8.00E+00	USA - OSHA	50	98.96	202.37	202372	2.02E+05	Yes
	Benzene	-	Y	Y	< 1 µg/m ³ /hr	1.00E+00	8.00E+00	USA - OSHA	10	78.11	31.95	31947	3.19E+04	Yes
	Tetrachloromethane	Carbon tetrachloride	Y	Y	< 2 µg/m ³ /hr	2.00E+00	1.60E+01	USA - OSHA	10	153.82	62.91	62912	6.29E+04	Yes
	Trichloroethene	Trichloroethylene (TCE)	Y	Y	< 0.6 µg/m ³ /hr	6.00E-01	4.80E+00	USA - OSHA	100	131.39	537.38	537382	5.37E+05	Yes
	1,2-dibromoethane	Ethylene dibromide	Y	Y	< 0.8 µg/m ³ /hr	8.00E-01	6.40E+00	USA - OSHA	20	187.86	153.67	153669	1.54E+05	Yes
	1,1,2,2-tetrachloroethane	-	Y	Y	< 0.7µg/m ³ /hr	7.00E-01	5.60E+00	USA - ACGIH (TLV)	1	167.86	6.87	6865	6.87E+03	Yes
	Hexachlorobenzene	-	Y	Y	< 0.4 ng/m ³ /hr	4.00E-04	3.20E-03	USA - ACGIH (TLV)	-	284.8	-	-	2.00E+00	Yes
	Benzo(a)pyrene	-	Y	Y	< 0.4 ng/m ³ /hr	4.00E-04	3.20E-03	USA - OSHA	-	252.31	0.20	200	2.00E+02	Yes
	Chlorinated dioxins/dibenzofurans	-	Y	Y	< 3.6 fg/m ³ /hr	3.60E-09	2.88E-08	USA - OEHHA	-	-	-	-	4.00E-05	Yes
Dioxin-like PCB	-	Y	Y	< 0.4 fg/m ³ /hr	4.00E-10	3.20E-09	USA - OEHHA	-	-	-	1.2	1.20E+00	Yes	

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						(µg/m3/hr)	In 8-hour Period (µg/m3)		ppm	Molecular Weight, g/mol	mg/m^3	ug/m^3		
Inorganic	Chromium VI	-	Y	Y	< 11 pg/m ³ /hr	1.10E-05	8.80E-05	USA - OSHA	-	-	-	5	5.00E+00	Yes
	Arsenic	-	Y	Y	< 8.4 ng/m ³ /hr	8.40E-03	6.72E-02	USA - OSHA	-	-	-	-	1.00E+01	Yes
	Beryllium	-	Y	Y	< 80 pg/m ³ /hr	8.00E-05	6.40E-04	USA - OSHA	-	-	-	-	2.00E+00	Yes
	Nickel	-	Y	Y	< 21 ng/m ³ /hr	2.10E-02	1.68E-01	USA - OSHA	-	-	-	-	1.00E+03	Yes

Note [1]: The data were obtained from the monitoring data collected in 2012 and 2013 under the requirements of the ISO14001 scheme operated in GL.

Note [2]: USA- OSHA stands for Occupational Safety and Health Administrative, Department of Labor, United States

USA- ACGIA (TLV) stands for American Conference of Governmental and Industrial Hygienists' threshold limit value

USA- OEHHA stands for chronic inhalation exposure limit stated by Office of Environmental Health Hazard Assessment, California, USA