

## 7. REGULATIONS AND ADVISORIES

Because of its potential to cause adverse health effects in exposed people, a number of regulations and advisories have been established for chlorobenzene by various national and state agencies. These values are summarized in Table 7-1.

## 7. REGULATIONS AND ADVISORIES

TABLE 7-1. Regulations and Guidelines Applicable to Chlorobenzene

Agency	Description	Value	Reference
<u>National</u>			
Regulations:			
a. Air:			
OSHA	PEL TWA	75 ppm (350 mg/m <sup>3</sup> )	OSHA 1989 (29 CFR 1910.1000, Table Z-1-A)
b. Water:			
EPA ODW	Monitoring required for unregulated contaminants MCL (Proposed)	NA 0.1 mg/L	EPA 1987a, (40 CFR 141.40) EPA 1989c
EPA OWRS	General permits under NPDES	NA	40 CFR 122, (Appendix D, Table II)
	Criteria and Standards for the NPDES	NA	40 CFR 125
	General pretreatment regulations for existing and new sources of pollution	NA	40 CFR 403
	Hazardous substance	NA	EPA 1985b, (40 CFR 116)
	Reportable quantity	100 lb	40 CFR 117.3
c. Nonspecific media:			
EPA OERR	Reportable quantity	100 lb	EPA 1985b, (40 CFR 302.4)
EPA OSW	Hazardous waste constituent (Appendix VIII)	NA	EPA 1980b, (40 CFR 261)
	Groundwater monitoring list (Appendix IX)	NA	EPA 1987b, (40 CFR 264)
	Restriction on land disposal	NA	EPA 1988b, 1989c, (40 CFR 268)
EPA OTS	Preliminary assessment information rule	NA	EPA 1982d, (40 CFR 712)
	Health and safety data reporting rule	NA	EPA 1988c, (40 CFR 716.120)
	Final test rule	NA	EPA 1986e, (40 CFR 799.105)
	Toxic chemical release reporting	NA	EPA 1988c, (40 CFR 372)
Guidelines:			
a. Air:			
ACGIH	TLV TWA	75 ppm (350 mg/m <sup>3</sup> )	ACGIH 1986
NIOSH	IDLH	2400 ppm	NIOSH 1985
b. Water:			
EPA ODW	MCLG (proposed)	0.1 mg/L	EPA 1989c
	Health advisories		
	1 day	2 mg/L	EPA 1987c
	10 days	2 mg/L	

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TABLE 7-1 - (Continued)

Agency	Description	Value	Reference
	Longer term		
	child	2 mg/L	
	adult	7 mg/L	
	Lifetime	100 mg/L	
EPA OWRS	Ambient water quality criteria Ingesting water and organisms	$4.88 \times 10^{-1}$ mg/L	EPA 1980b
c. Other:			
EPA	Carcinogenic classification Oral RfD	Group D <sup>a</sup> $2 \times 10^{-2}$ mg/kg/day	EPA 1987c IRIS 1989
	<u>State</u>		
Regulations:			
a. Air:	Acceptable ambient air concentration		NATICH 1988
	Connecticut	7000 $\mu\text{g}/\text{m}^3$ (8 hr)	
	Florida-Tampa	3500 $\mu\text{g}/\text{m}^3$ (8 hr)	
	Massachusetts	6.3 $\mu\text{g}/\text{m}^3$ (24 hr)	
	Nevada	8.333 $\mu\text{g}/\text{m}^3$ (8 hr)	
	New York	1167.0 $\mu\text{g}/\text{m}^3$ (1 yr)	
	North Carolina	2200 $\mu\text{g}/\text{m}^3$ (24 hr)	
	North Dakota	3500 $\mu\text{g}/\text{m}^3$ (8 hr)	
	Virginia	6000 $\mu\text{g}/\text{m}^3$ (24 hr)	
b. Water:	Drinking water		FSTRAC 1988
	Arizona	60 $\mu\text{g}/\text{L}$	
	California	30 $\mu\text{g}/\text{L}$	
	Kansas	60 $\mu\text{g}/\text{L}$	
	Maine	47 $\mu\text{g}/\text{L}$	
	Minnesota	60 $\mu\text{g}/\text{L}$	
	New Jersey	2 $\mu\text{g}/\text{L}$	
	Vermont	600 $\mu\text{g}/\text{L}$	
	Wisconsin	600 $\mu\text{g}/\text{L}$	

<sup>a</sup> Group D: Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity.

OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit; TWA = Time-Weighted Average; EPA = Environmental Protection Agency; ODW = Office of Drinking Water; NA = Not Applicable; MCL = Maximum Contaminant Level; OWRS = Office of Water Regulations and Standards; NPDES = National Pollutant Discharge Elimination System; OERR = Office of Emergency and Remedial Response; OSW = Office of Solid Wastes; OTS = Office of Toxic Substances; ACGIH = American Conference of Governmental Industrial Hygienists; TLV = Threshold Limit Value; NIOSH = National Institute for Occupational Safety and Health; IDLH = Immediately Dangerous to Life or Health Level; MCLG = Maximum Contaminant Level Goal; RfD = Reference dose.

