7. REGULATIONS AND ADVISORIES

Because of its potential to cause adverse health effects in exposed people, a number of regulations and guidelines have been established for methyl mercaptan 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 Methyl Mercaptan

Agency	Description	Information	Reference
NATIONAL			
Regulations:			
a. Air:			
OSHA	PEL TWA	0.5 ppm (1 mg/m^3)	OSHA 1989 (29 CFR 1910.1000) Table Z-1-A
b. Water:			
EPA OWRS	General permits under NPDES	Yes	40 CFR 122, Appendix D, Table V
	Hazardous substance		40 CFR 116
	Reportable quantity	100 lbs	40 CFR 117.3
c. Nonspecific media:			
EPA OERR	Reportable quantity	100 lbs	EPA 1989a (40 CFR 302.4)
	Extremely hazardous substance TPQ	500 lbs	EPA 1987a (40 CFR 355)
EPA OSW	Hazardous waste constituent (Appendix VIII)	Yes	40 CFR 261
	Land disposal restrictions (proposed)	Yes	EPA 1989c (40 CFR 264, 268)
FDA	Food additive - synthetic flavoring substance	Yes	21 CFR 172.515
Guidelines:			
a. Air:			
ACGIH	TLV TWA	0.5 ppm (1 mg/m^3)	ACGIH 1986
NIOSH	IDLH	400 ppm	NIOSH 1985
	CEILING (15 min)	0.5 ppm	
STATE			
Regulations:			
a. Air:	Acceptable ambient air concentration		NATICH 1989
New York		3.30 μg/m^3 (1 yr)	
Virginia		16.0 μg/m^3 (24 hr)	
North Dakota	Maximum Acceptable Ambient Level	10 μg/m^3	Rydell 1990

ACGIH = American Conference of Governmental Industrial Hygienists; EPA = Environmental Protection Agency; FDA = Food and Drug Administration; IDLH = Immediately Dangerous to Life or Health Level; NIOSH = National Institute for Occupational Safety and Health; NPDES = National Pollutant Discharge Elimination System; OERR = Office of Emergency and Remedial Response; OSHA = Occupational Safety and Health Administration; OSW = Office of Solid Wastes; OWRS = Office of Water Regulations and Standards; PEL = Permissible Exposure Limit; TLV = Threshold Limit Value; TPQ = Threshold Planning Quantity; TWA = Time-Weighted Average