

## 7. REGULATIONS AND ADVISORIES

The international, national, and state regulations and guidelines regarding tetryl in air, water, and other media are summarized in Table 7- 1.

ATSDR has not derived MRLs for tetryl because of the lack of reliable human or animal studies which identify levels of exposure associated with adverse health effects. In addition, EPA has not verified a reference dose (RfD) for oral exposure or a reference concentration (RfC) for inhalation exposure to tetryl.

The transportation of explosives including tetryl must be in accordance with the Department of Transportation hazardous material regulations (49 CFR 171-190) and the motor carrier safety regulations (49 CFR 390-398). Numerous states have established regulations on explosives for air quality control, solid waste disposal, storage, manufacture, and use.

## 7. REGULATIONS AND ADVISORIES

Table 7-1. Regulations and Guidelines Applicable to Tetryl

Agency	Description	Information	Reference
<b><u>NATIONAL</u></b>			
<b>Regulations:</b>			
<b>a. Air:</b>			
OSHA	PEL TWA (skin designation)	1.5 mg/m <sup>3</sup>	OSHA 1989a (29 CFR 1910.1000) OSHA 1989b
<b>b. Other</b>			
DOT	Class A explosive (high explosive domestic transportation limited to road and water)(cargo only, in magazines)	Yes	DOT 1989a (49 CFR 172.101) DOT 1989b
<b>Guidelines:</b>			
<b>a. Air</b>			
ACGIH	TLV TWA	1.5 mg/m <sup>3</sup>	ACGIH 1991
NIOSH	REL (10-hour TWA) (skin designation)	1.5 mg/m <sup>3</sup>	NIOSH 1990
<b><u>STATE</u></b>			
<b>Regulations and Guidelines:</b>			
<b>a. Air:</b>			
	Acceptable Ambient Air Concentrations		NATICH 1991
CT	8 hr avg. time	30.0 µg/m <sup>3</sup>	
FL-Pinellas	8 hr avg. time	15.0 µg/m <sup>3</sup>	
FL- Pinellas	8 hr avg. time	3.6 µg/m <sup>3</sup>	
MD		0.00	
ND	8 hr avg. time	15 µg/m <sup>3</sup>	
NV	8 hr avg. time	36 µg/m <sup>3</sup>	
TX	30 min avg. time	1.0 µg/m <sup>3</sup>	
TX	30 min. avg. time	0.1 µg/m <sup>3</sup>	
VA	24 hr avg. time	25 µg/m <sup>3</sup>	
KY	Significant emission levels of toxic air pollutants	3.827x10 <sup>-4</sup> pounds/hour	NREPC 1986 (KAR 401 63:022)

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**Table 7-1. Regulations and Guidelines Applicable to Tetryl (continued)**

Agency	Description	Information	Reference
<b>STATE (cont.)</b>			
b. Other	Transportation of explosives is in accordance with the U.S. Department of Transportation hazardous materials regulations (49 CFR 171-190) and the motor carrier safety regulations (49 CFR 390-398) with some exceptions or additional requirements that vary from state to state. "Yes" in the Information column indicates that provisions for 49 CFR 171-170 and 49 CFR 390-398 exist in the specified state.		CELDs 1991
AL		Yes	
AK		Yes	
AZ		Yes	
CA		Yes	
CT		Yes	
CO		Yes	
DE		Yes	
FL		Yes	
GA		Yes	
HI		Yes	
ID		Yes	
IN		Yes	
IA		Yes	
LA		Yes	
MD		Yes	
MA		Yes	
MI		Yes	
MN		Yes	
MS		Yes	
MO		Yes	
MT		Yes	
NE		Yes	
NJ		Yes	
NM		Yes	
NC		Yes	
ND		Yes	

## 7. REGULATIONS AND ADVISORIES

Table 7-1. Regulations and Guidelines Applicable to Tetryl (continued)

Agency	Description	Information	Reference
<b>STATE (cont.)</b>			
NY		Yes	
OH		Yes	
OR		Yes	
RI		Yes	
SD		Yes	
TN		Yes	
TX		Yes	
UT		Yes	
VA		Yes	
VT		Yes	
WA		Yes	
WA-DC		Yes	
WV		Yes	
WI		Yes	
WY		Yes	
	Rules and regulations for air quality control and/or solid waste disposal have been established for explosives in general. The regulations vary from state to state.		CELDs 1991
AL	Pretreatment standards for discharge Hazardous waste: Thermal treatment	Yes Yes	
AZ	Solid waste collection	Yes	
AR	Solid waste storage and collection	Yes	
CO	Fugitive dust	Yes	
CT	Hazardous waste: Thermal treatment	Yes	
FL	Hazardous waste: Thermal treatment	Yes	
GA	Open burning	Yes	
IL	Sewer discharge	Yes	
IN	Open burning	Yes	
KY	Hazardous waste management	Yes	
LA	Open burning	Yes	
MN	Hazardous waste management	Yes	

## 7. REGULATIONS AND ADVISORIES

Table 7-1. Regulations and Guidelines Applicable to Tetryl (continued)

Agency	Description	Information	Reference
<b>STATE (cont.)</b>			
NH	Open burning	Yes	
NJ	Hazardous waste management	Yes	
NM	Hazardous waste management	Yes	
NV	Hazardous waste management	Yes	
NC	Hazardous waste: Thermal treatment	Yes	
ND	Fugitive emissions	Yes	
PA	Fugitive emissions	Yes	
SC	Open burning	Yes	
TN	Hazardous waste: Thermal treatment	Yes	
UT	Hazardous waste management	Yes	
VT	Open burning	Yes	
VA	Solid waste management	Yes	
WI	Open burning and malodorous emissions	Yes	
WV		none	
WI		none	
	Explosive control laws regulate storage, manufacture, and use. The regulations vary from state to state.		CELDs 1991
AK		Yes	
CA		Yes	
CT		Yes	
GA		Yes	
HI		Yes	
IN		Yes	
IA		Yes	
KS		Yes	
NJ		Yes	
MS		Yes	
NB		Yes	
NJ		Yes	
OK		Yes	
OR		Yes	

## 7. REGULATIONS AND ADVISORIES

**Table 7-1. Regulations and Guidelines Applicable to Tetryl (continued)**

Agency	Description	Information	Reference
<b>STATE (cont.)</b>			
WA-DC		Yes	
WV		Yes	
WI		Yes	

NOTE: Units in table reflect values and units of measure designated by each agency in its regulations or advisories.

<sup>a</sup>Not classifiable as to human carcinogenicity.

ACGIH = American Conference of Governmental and Industrial Hygienists; CELDs = Comprehensive Environmental Legislative Database; CFR = Code of Federal Regulations; DOT = Department of Transportation; NATICH = National Air Toxics Information Clearinghouse; NIOSH = National Institute for Occupational Safety and Health; OSHA = Occupational Safety and Health Administration; PEL = Permissible exposure limit; REL = Recommended Exposure Limits; TLV = Threshold limit value; TWA = Time weighted average