

Table 3-9 Levels of Significant Exposure to Cadmium - Dermal

Species (Strain)	Exposure/Duration/Frequency (Route)	System	LOAEL				Reference Chemical Form	Comments
			NOAEL	Less Serious		Serious		
ACUTE EXPOSURE								
Systemic								
Human	once	Dermal	1 Percent (%)	2 Percent (%)	(skin irritation)		Wahlberg 1977 CdCl ₂	
Rat (Sprague-Dawley)	2 hr	Ocular		99 mg/m ³	(excessive lacrimation)	112 mg/m ³	(eyes closed from exposure)	Rusch et al. 1986 CdSeS
				97 mg/m ³	(excessive lacrimation)			
Immuno/ Lymphoret								
Human	once		1 Percent (%)				Rudzki et al. 1988 CdCl ₂	

hr = hour(s); Immuno/Lymphoret = immunological/lymphoreticular; LOAEL = lowest-observed-adverse-effect level; NOAEL = no-observed-adverse-effect level