

APPENDIX D

HED Effects

The human health assessment for strychnine is based on the acute toxicity for the technical and is described below. Because of the high acute toxicity via the oral and ocular routes, subchronic and chronic data were not required. In the absence of inhalation data and based on the high acute oral and ocular toxicity, a default toxicity category of I was assigned for acute inhalation.

Acute Mammalian Toxicity

Guideline	Results	Toxicity Category	MRID #s
81-1 Acute Oral LD50, rat	6.4 mg/kg bw males 2.2 mg/kg bw females Death occurred within 1 hr.	I	40908901 41210701
81-2 Acute Dermal LD50, rabbit	2000 mg/kg bw No signs of toxicity observed	III	40908902 41210702
81-3 Acute LC50 inhalation	Waived	I*	-
81-4 Primary eye irritation, rabbit	Irritation and mortality	I	40908904 41210704
81-5 Primary dermal irritation, rabbit	No irritation, mortality or signs of toxicity were observed	IV	40908903 41010703

All studies performed with Strychnine Alkaloid Technical (Purity = 99.42%)

*Assigned Toxicity Category I as a default based on high acute toxicity from other routes of exposure.