

TOXICITY OF H₂S FOR HUMANS

H ₂ S (ppm)	0 – 2 min	2 – 15 min	15 – 30 min	30 – 60 min	1 – 4 hr	4 – 8 hr	8 -- ? hr
50 – 100				Conjunctivitis, Respiratory tract irritation			
100 – 150		Coughing, Irritation of eyes, loss of sense of smell	Disturbed respiration, pain in eyes, sleepiness	Throat irritation	Salivation and mucous discharge, sharp pain in eyes, coughing	Increased symptoms	Hemorrhage and death
150 – 250		Loss of sense of smell	Throat and eye irritation	Throat and eye irritation	Difficult breathin, blurred vision, light shy	Serious irritating effects	Hemorrhage and death
250 – 350		Irritation of eyes, loss of sense of smell	Irritation of eyes	Painful secretion of tears, weariness	Light shy, nasal , pain in eyes, difficult breathing, conjunctivitis	Hemorrhage and death	
350 – 500		Irritation of eyes, loss of sense of smell	Difficult respiration, coughing, irritation of eyes	Increased irritation of eyes and nasal tract, dull pain in head, weariness, light shy	Dizziness, weakness, increased irritation, death	death	
500 – 600	Coughing, Collapse, Un- consciousness	Respiratory Disturbances, Irritation of eyes, collapse	Serious eye irritation, light shy, palpitations of heart, a few cases of death	Severe pain in eyes and heart, dizziness, trembling of extremities, great weariness and death			
600 – 1500	Collapse, Un- consciousness Death	Collapse, Un- consciousness Death					

BEFORE THE	
OIL CONSERVATION COMMISSION	
San Jose, California	
Case No. <u>12867</u>	Ex. <u>3</u>
Submitted by <u>OCD</u>	
Hearing Date <u>7/19/02</u>	

Source National Safety Council data sheet D chem. 16
 Drilling and operating Oil, Gas, and Geothermal Wells in an H₂S Environment
 Division of Oil, Gas, and Geothermal Resources, State of California Publication No. M10