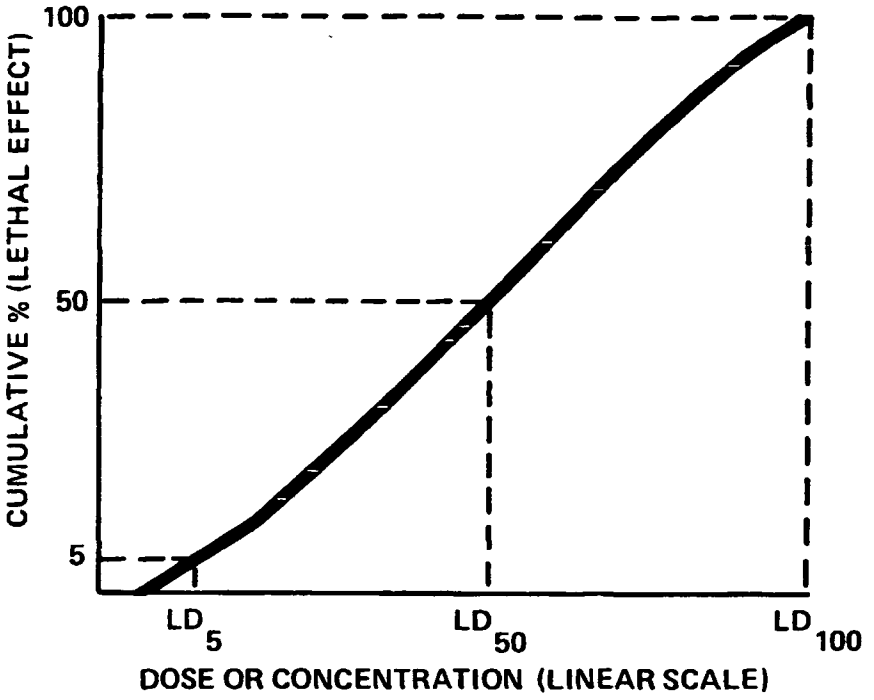


FIG 38–2.—Dose/response curves for a chemical agent administered to a uniform population of test animals. The slope of the curve can be considered an index of the margin of safety of the material.

TABLE 38-B

COMBINED TABULATION OF TOXICITY CLASSES

Commonly Used Term	LD_{50} *Single Oral Dose for Rats (gm/kg)*	*4-hr Vapor Exposure Causing 2 to 4 Deaths in 6-Rat Group (ppm)*	LD_{50} *Skin for Rabbits (gm/kg)*	*Probable Lethal Dose for Man*
Extremely toxic	0 001 or less	Less than 10	0 005 or less	Taste (1 grain)
Highly toxic	0 001 to 0 05	10 to 100	0 005 to 0 043	1 tsp (4 cc)
Moderately toxic	0 05 to 0 5	100 to 1,000	0 044 to 0 340	1 oz (30 gm)
Slightly toxic	0 5 to 5 0	1,000 to 10,000	0 35 to 2 81	1 pint (250 gm)
Practically nontoxic	5 0 to 15 0	10,000 to 100,000	2 82 to 22 6	1 quart
Relatively harmless	>15 0	>100,000	>22 6	>1 quart

From Handbook of Toxicology, *Vol 1, "Acute Toxicities" W S Spector, ed Philadelphia, 1956 W B Saunders Co*