

DOT Toxicity Criteria Summary

For solid and liquid toxics without toxic vapors:

- 6.1 Packing Group I
 - Oral LD₅₀ < 5mg/kg
 - Dermal LD₅₀ < 40mg/kg I
 - Inhalation LD₅₀ < 0.5mg/kg particulate
 - Cyanides, strychnine
- 6.1 Packing Group II
 - Oral LD₅₀ < 50mg/kg
 - Dermal LD₅₀ < 200mg/kg
 - Inhalation LD₅₀ < 2mg/kg particulate
 - Phenols, nicotine
- 6.1 Packing Group III
 - Oral LD₅₀ < 200mg/kg solid, <500mg/kg liquids
 - Dermal LD₅₀ < 1000mg/kg
 - Inhalation LD₅₀ < 10mg/kg particulate Pesticides, disinfectants

For Liquids with toxic vapors:

- 6.1 Packing Group I
Zone A: LC₅₀ < 200ppm
and saturation (max) concentration in air > 500 * LC₅₀
Zone B: LC₅₀ < 1000ppm
and saturation (max) concentration in air > 10 * LC₅₀
- 6.1 Packing Group II
LC₅₀ < 3000ppm and
saturation (max) concentration in air > LC₅₀
- 6.1 Packing Group III
LC₅₀ < 5000ppm and
and saturation (max) concentration in air > 0.2 * LC₅₀