

EPA Toxicity Classification

(Environmental Protection Agency, U.S.A.)

Class	Toxicity	Level
I	Extremely Toxic	< 50
II	Highly Toxic	50 – 500
III	Moderately Toxic	500 – 5,000
IV	Practically Non-Toxic	5,000 – 10,000

Oral LD⁵⁰ (mg/kg) for rats

Examples		
Class II	Nicotine - Highly Toxic	53
Class II	Caffeine - Highly Toxic	192
Class II	Aspirin - Moderately Toxic	1,000
Class III	Table Salt - Moderately Toxic	3,000
Class IV	Biobarrier (Trifluralin) – Practically Non-Toxic	> 10,000
Class IV	Grain Alcohol	14,000
Class IV	Table Sugar	29,700

Biobarrier Active Ingredient (Trifluralin) Environmental Fate

Water Solubility	< 0.3 ppm at 25°C
Half Life:	
Aqueous photolysis	9 hours
Air photolysis	42 minutes
Soil photolysis	41 days (light) 66 days (dark)
Soil degradation	1 to 6 months