



TOXICOLOGICAL AND ENVIRONMENTAL DATA FOR AQUAZOL

Studies of the acute toxicity of Poly (2-ethyl-2-oxazoline) indicate that the material may be handled safely by observing reasonable care and personal hygiene measures. Very low toxicity to aquatic species has been found.

Toxicological Characteristics

Acute oral LD – 50 (rats) Low hazard (>4 g/kg)
 Eye irritation (rabbits) Non-irritating
 Skin irritation (guinea pigs) Non-sensitizing
 Acute Percutaneous Absorption LD – 50 (rabbits) Low hazard (>4 g/kg)

Environmental Data

Aquazol has unusually broad solubility in water and polar organic solvents. A few solvents and their solubility parameter [: (cal/cm³)^{1/2}] are listed below.

Stability No oxygen consumption in BOD tests
 Movement Remain in aqueous media
 Bioconcentration None expected
 Toxicity to aquatic species Very low:

| | | |
|----------------|-------------|--------------|
| Fathead minnow | 96 hr LC 50 | >50,000 mg/L |
| Daphnia magna | 48 hr LC 10 | 2210 mg/L |
| | 48 hr LC 50 | 3350 mg/L |
| | 48 hr LC 90 | 5070 mg/L |

