

Chemical Inactivation of Certain Toxins

Complete Inactivation of Different Toxins with a 30 Minute Exposure Time to Varying Concentrations of Sodium Hypochlorite (NaOCl) + Sodium Hydroxide (NaOH)

Toxin	2.5% NaOCl + 0.25 N NaOH	2.5% NaOCl	1.0% NaOCl	0.1% NaOCl
T-2 Mycotoxin	Yes	No	No	No
Brevetoxin	Yes	Yes	No	No
Microcystin	Yes	Yes	Yes	No
Tetrodotoxin	Yes	Yes	Yes	No
Saxitoxin	Yes	Yes	Yes	Yes
Palytoxin	Yes	Yes	Yes	Yes
Ricin	Yes	Yes	Yes	Yes
Botulinum Toxin	Yes	Yes	Yes	Yes
Staphylococcal Enterotoxin B	Yes (?)	Yes (?)	Yes (?)	Yes (?)
Wannemacher, R.W. 1989. Procedures for Inactivation and Safety Containment of Toxins. In: Proceedings of the Symposium on Agents of Biological Origin, U.S. Army Research, Development and Engineering Center, Aberdeen Proving Ground, MD, pp. 115-122.				