



# Toxicity Certificate

## Dust Suppression & Erosion Control

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Analytical Bio-Chemistry Laboratories, Inc.


Celebrating four decades  
of product development expertise

### CERTIFICATION OF TOXICITY OF TERRALOC 16 STD (7:1 DILUTION)

The following toxicity data were generated by studies performed at ABC Laboratories, Inc. following test methods described by the Organisation for Economic Co-operation and Development (OECD) and the appropriate Good Laboratory Practices.

Species Information	EC <sub>50</sub>	No-observable Effect Concentration (NOEC)	Lowest-observable Effect Concentration (LOEC)
<i>Ceriodaphnia dubia</i> – 48-hour acute (expressed as nominal concentrations)	546 mg/L	250 mg/L	Not Applicable
<i>Ceriodaphnia dubia</i> – 7-day chronic (expressed as nominal concentrations)	>500 mg/L	250 mg/L	Not Applicable
Mysid shrimp, <i>Americanysis bahia</i> – 48-hour acute (expressed as nominal concentrations)	1,350 mg/L	1,000 mg/L	Not Applicable
Mysid shrimp, <i>Americanysis bahia</i> – 7-day chronic (expressed as nominal concentrations)	876 mg/L	600 mg/L	Not Applicable
Fathead minnow, <i>Pimephales promelas</i> – 96-hour acute (expressed as nominal concentrations)	947 mg/L	625 mg/L	Not Applicable
Fathead minnow, <i>Pimephales promelas</i> – 7-day chronic (expressed as nominal concentrations)	> 600 mg/L	600 mg/L	Not Applicable
Rainbow trout, <i>Oncorhynchus mykiss</i> – 96-hour acute (expressed as nominal concentrations)	1,800 mg/L	1,300 mg/L	Not Applicable
Rainbow trout, <i>Oncorhynchus mykiss</i> – 14-day prolonged toxicity (expressed as nominal concentrations)	Not Applicable	500 mg/L	>500 mg/L
Earthworm, <i>Eisenia fetida</i> – 14 day (expressed as nominal concentrations)	> 10,000 mg/kg	10,000 mg/kg	Not Applicable

Based upon the calculated EC<sub>50</sub> and/or NOEC values, *Ceriodaphnia dubia*, is the species most sensitive to TerraLOC 16 Std as a 7:1 dilution. Based upon these results, TerraLOC 16 Std as a 7:1 dilution can be categorically **classified as practically non-toxic** to aquatic and terrestrial organisms (U.S. EPA Hazard Evaluation Division, Standard Evaluation Procedure EPA-540/9-851-006).

  
John Aufferman  
Senior Toxicologist, Group Leader  
ABC Laboratories, Inc.

25 Nov 09  
Date

CHEMICAL SERVICES  
7200 E. ABC Lane • Columbia, Missouri 65202

PHARMACEUTICAL SERVICES  
4780 Discovery Drive • Columbia, Missouri 65201

www.abclabs.com  
phone 800.538.5227 fax 573.777.6033

For more information: 1.800.237.9552  
+001.219.762.3165  
terraloc@monosol.com