

## Fish Toxicity Report

Rainer Environmental was contracted to perform Washington State Department of Ecology Publication 80-12 on 10X Abrasives. Rainer Environmental's test results show a 0% mortality rate for the fish population when exposed at levels of 10 mg/L and 100 mg/L of 10X abrasives. 10X abrasives passed the 80-12 Fish Toxicity Test and are **not** designated as a Dangerous Waste in the State of Washington.

Rainer Environmental lists a failure of this test as a 50% or greater mortality rate of the fish population when exposed at levels of 10mg/L or 100mg/L. Roughly 10- 15% of abrasives tested at Rainer Environmental fail this test.

### 3.0 RESULTS

A summary of results for the dangerous waste characterization conducted on sample 20/70 is contained in Table 3. There was no mortality during the test. Based on these results, the sample does not designate as either a dangerous or extremely hazardous waste. Copies of the laboratory bench sheets, statistical summaries of reference toxicant tests, and chain-of-custody form are provided in Appendices A through C.

**Table 3. Summary of Results**

Sample ID	Concentration (mg/L)	Survival (# fish, N=30)	Percent Mortality	Dangerous Waste Designation
Control	0	30	0	N/A
20/70	10 100	30 30	0 0	None