SIERRA FOOTHILL LABORATORY

823 S. HWY. 49
P.O. BOX 1268 • JACKSON, CA 95642
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REPORT

January 15, 1992

American BioSafety Inc
attn: Larry Larson
4320 Anthony Ct, Suite 16
Rocklin CA 95677

RE: Acute Toxicity Screening of Slide Brite liquid product for Determination as Hazardous or Extremely Hazardous Waste. Fathead minnow, static non-renewal, Title 22/DFG protocol

Laboratory # 378599

Sample description:
One 1-quart client plastic container labelled Slide Brite product was received at laboratory via Express It courier 12/31/92 1030. Laboratory #378599 was assigned. .075%, .050%, and .025% concentrations were prepared 1/5/93 1700 using laboratory bioassay dilution water as per hazardous waste screening protocol.

Chemical data on .075% concentration of Slide Brite product:

	0h	96h
pH,unit	7.2	7.2
Hardness,mg/L		45
Alkalinity,mg/L		45
Conductance,umho/cm		98
Dissolved oxygen,mg/L	8.6	8.2

Chemical data on "soft" laboratory dilution water--

	0h	96h
pH,unit	7.2	7.2
Hardness,mg/L	44	45
Alkalinity,mg/L	42	45
Conductance,umho/cm	102	98
Dissolved oxygen	8.6	8.1

Testing methods:
EPA 600/4-85/013 Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms.
Calif Admin Code Title 22, Article 11, Section 66696 Toxicity Criteria for Identification of Hazardous and Extremely Hazardous Waste
Calif Dept Fish & Game Static Acute Bioassay Procedures for Hazardous Waste Samples 11/88.

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Concentrations prepared for the hazardous waste screening test were .075%, .050%, and .025%. Replicate samples were prepared by separate sub-sampling and diluting. Test containers were 7500ml glass containing 2000ml test solution. There were 2 replicate chambers per treatment with 10 fish per chamber. The fathead minnows were approximately 120d old, obtained from Thomas Fish Company 11/16/92. Organisms are identified as Pimephales promelas, fathead minnow. Test temperature was 20 +/- 2 degrees C. Mean organism length was 32.5mm. Mean wet weight was .20g. Loading was no no greater than 1g/L. Testing began 1/6/93 0630 and ended 1/10/93 0800. Endpoint of test was death or 96h.

Results:

Test solution	# Organisms	96h % Survival
.075% Slide Brite	10	100
.075% Slide Brite duplicate	10	100
.050% Slide Brite	10	100
.050% Slide Brite duplicate	10	100
.025% Slide Brite	10	100
.025% Slide Brite duplicate	10	100
Lab soft control water	10	100
Control duplicate	10	100

Summary:
On 1/6/93 0630, 120-day old fathead minnows were exposed to the Slide Brite product at the .075%, .050%, and .025% levels as screening for hazardous waste. The testing ran without incidence for 96h.

* This initial screening bioassay indicated an LC50= >.075%.
A .050% concentration is equivalent to 500mg/L; therefore this testing demonstrated that the Slide Brite product as received does not have an LC50 less than 500mg/L and qualifies for a nonhazardous designation on the basis of aquatic toxicity and this testing protocol.

Sandy Nurse

Sandy Nurse, analyst