

MMET, Inc.

Middleton Microbiological & Environmental Testing Laboratory

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Laboratory Report

Report Number: M7536

Report Date: October 13, 2003

Lab Number: 031174

Customer: Additive Technologies, LLC.
1701 Wynkoop St., Suite 230
Denver, CO 80202
303-825-3103
Fax: 303-265-9351

Project Manager: Dick Giebe
Project Name: BNSF Cleaner Evaluation
of Locomotive Cleaner

Sample Matrix: conc. cleaner

Sample ID: CleanSafe

Date Received: 9-29-03

Purchase Order #:

Analysis Requested: BNSF product evaluation for Exterior Locomotive cleaner.
Testing conducted according to BNSF policy.

Parameter	4% conc.	8% conc.	Concentrate
Appearance			clear, colorless
Odor			mildly bitter
Specific Gravity			1.037
Flash point			> 205°F
pH	11.0	11.5	11.6
COD	4500 mg/L	9500 mg/L	129,000 mg/L
Solubility in Diesel Fuel	EBS*	EBS*	
Effect on Urethane Paint @ 77°F for 24 hours	no effect	no effect	no effect

EBS (Emulsion Breaks and Separates in five minutes)

cc BNSF Tech R & D
Georgianna Gideon
1011 NE River Rd
Topeka, KS 66616
785-435-5678
Fax 785-435-5670

Report Approved by:


Wayne A. Middleton, Pres., Lab Dir.