



*PLANIT SAFE™ 1% Test Liquid
Data Sheet*

Description

PLANIT SAFE™ 1% Test Liquid is intended to be used as a substitute for 1% AFFF foam concentrate during proportioning system tests. It minimizes cost and environmental concerns associated with using AFFF fire fighting foams for system testing.

PLANIT SAFE™ 1% Test Liquid is specifically formulated to simulate the flow behavior (viscosity characteristics) and approximate conductivity level of 1% AFFF foam concentrates. System proportioning injection rate can be determined by measuring conductivity of the solution stream. Since PLANIT SAFE™ Test Liquid contains no toxic ingredients, disposal of the proportioned stream into drains and sewers or waterways is not expected to cause an environmental impact. When diluted by the proportioning process PLANIT SAFE™ 1% Test Liquid has been found to meet most local water quality standards. In most cases, the diluted PLANIT SAFE™ 1% Test Liquid solution will not be subject to disposal by treatment facilities. However, it is always advisable to consult with State, Provincial or local authorities having jurisdiction regarding proper disposal procedures to be followed prior to discharge.

Features

- Environmentally responsible
- Compatible with existing proportioning equipment
- Non-toxic, non-corrosive, non foaming
- Saves costly containment and disposal associated with foam release
- Simulates physical behavior of foam concentrate
- Excellent biodegradability

Physical Properties

Appearance-----	Clear Liquid
Specific Gravity @ 77 deg F-----	1.01 –1.03
pH-----	7.5 - 8.5
Minimum Usable Temp.-----	35 deg F
Maximum Usable Temp.-----	120 deg F
Freezing Point-----	32 deg F
Viscosity-----	12-14 csks @ 68 deg F

Compatibility

PLANIT SAFE™ 1% Test Liquid should never be mixed, stored, or used with any type of foam concentrate. All proportioning equipment should be thoroughly flushed after use with PLANIT SAFE™ Test Liquid.

Storage, Handling and Shelf Life

PLANIT SAFE™ Test Liquid should be stored in its original sealed shipping container. Test liquids are subject to evaporation that accelerates product deterioration when exposed to air. It is recommended that PLANIT SAFE™ Test Liquid be stored at temperatures between 35 deg F and 120 deg F. PLANIT SAFE™ Test Liquid should be used within 1 year from shipment assuming it is stored properly.

Environmental and Toxicological Information

PLANIT SAFE™ Test Liquid contains no ingredients that are reportable under the Superfund Amendment and Reauthorization Act (SARA) Title III, Section 313 of 40 CFR-372 or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

The biological oxygen demand (BOD) and chemical oxygen demand (COD) of PLANIT SAFE™ 1% Test Liquid and 1% proportioned (diluted) solution are as follows:

	1% Test Liquid Concentrate(mg/l)	As Dilute 1% Solution Proportioned Stream (mg/l)
BOD-5	2,154	18
COD	24,360	238 (Rev 4/15/04)

NOTE: BOD measurement derived by EPA test method 405.1 and COD measurement derived by EPA test method 410.4.

The acute toxicity of Planit Safe 1% test liquid as a dilute solution has been studied and found to have a 96 hour LC₅₀ value for *Oncorhynchus mykiss* (rainbow trout) of less than 100mg/L. There was no fish mortality after the 96 hour test duration. An LC₅₀ of less than 100mg/L is less than the regulatory threshold established for dangerous waste.

Results of tests for acute oral toxicity and primary skin irritation have not been conducted. Repeated skin contact will remove oils and cause dryness. PLANIT SAFE™ Test Liquid is a primary eye irritant and therefore contact with eyes should be avoided. Users are advised to wear protective equipment. If the test liquid enters the eyes, flush them well with fresh clean water. Consult a physician if irritation persists. Consult the PLANIT SAFE™ Test Liquid Material Safety Data Sheet for further details.