



PLANIT SAFE™ 3x3 AR AFFF TEST LIQUID
DATA SHEET

Description

PLANIT SAFE™ 3x3 AR AFFF Test Liquid is intended for use as a substitute for actual AR AFFF foam concentrate during proportioning system tests. It minimizes cost and environmental concerns associated with using AR AFFF fire fighting foams for system testing.

PLANIT SAFE™ 3x3 AR AFFF Test Liquid is specifically formulated to simulate the flow behavior (viscosity characteristics) and approximate conductivity level of AR AFFF foam concentrates. System proportioning rate can be determined by measuring the conductivity of the solution stream. Since PLANIT SAFE™ 3x3 AR AFFF 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™ 3x3 AR AFFF Test Liquid has been found to meet most local water quality standards. In most cases, the diluted PLANIT SAFE™ 3x3 AR AFFF 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

Typical Physical Properties

Appearance-----	Clear Liquid
Specific Gravity @ 77 deg F-----	1.0
pH-----	7.0 to 8.0
Minimum Usable Temp.-----	35 deg F
Maximum Usable Temp.-----	120 deg F
Freezing Point-----	minus 10 deg F
Viscosity-----	*800 to 4,800 csks (rev 5/17/04)

* PLANIT SAFE™ 3x3 AR AFFF Test Liquid is blended to match the viscosity characteristics of the foam concentrate it will be replacing for proportioning tests.

Compatibility

PLANIT SAFE™ 3x3 AR AFFF 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™ 3x3 AR AFFF Test Liquid.

Storage, Handling and Shelf Life

PLANIT SAFE™ 3x3 AR AFFF 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™ 3x3 AR AFFF Test Liquid be stored at temperatures between 35 deg F and 120 deg F. PLANIT SAFE™ 3x3 AR AFFF Test Liquid should be used within 1 year from shipment assuming it is stored properly.

Environmental and Toxicological Information

PLANIT SAFE™ 3x3 AR AFFF 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™ 3x3 AR AFFF Test Liquid are as follows:

As a concentrate:

BOD (5 day) 3,933 mg/l (Rev 4/17/04)
COD 17,100 mg/l (Rev 4/17/04)

As a 3% Dilute Solution (97% water to 3% concentrate):

BOD (5 day) 118 mg/l (Rev 5/17/04)
COD 513 mg/l (Rev 5/17/04)

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™ 3x3 AR AFFF 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™ 3x3 AR AFFF Test Liquid Material Safety Data Sheet for further details.

Packaging

PLANIT SAFE™ 3x3 AR AFFF Test Liquid is supplied in 55 gallon plastic lined corrugated containers with fully removable cover.

Product Use and Control

PLANIT SAFE™ 3x3 AR AFFF Test Liquid is only intended to be used by qualified technicians in conjunction with specialized data acquisition equipment to evaluate foam proportioning system performance. It is not intended to replace or be combined with fire fighting foam concentrates or any other types of fire fighting products. For this reason PLANIT SAFE™ Test Liquids are only offered as part of services provided by Vector Fire Technology, inc.