



TECHNICAL DATA

VIKING FP 3% C6 FOAM CONCENTRATE

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

Visit the Viking website for the latest edition of this technical data page.

1. DESCRIPTION

Viking FP 3% C6 is a fluoroprotein foam concentrate containing fluorinated surfactants in a carefully formulated protein foam liquid base. This ensures the production of stabilized fluid foam which will cover a burning hydrocarbon fuel surface rapidly.

The water soluble fluorosurfactant makes the foam hydrocarbon repellent and reduces the amount of burning particles absorbed by the foam in fighting the hydrocarbon fuel fires.

Once the fire extinguishment has been achieved the high stability of the foam blanket ensures against the risk of reignition and provides excellent protection against burn back should any inaccessible pockets of fire remain.

Viking FP 3% C6 should be used at 3% proportioned solution (3 part concentrate in 97 parts of water) in fresh or seawater.

Features:

- Tested and Listed with various discharge devices
- Excellent firefighting on Class B hydrocarbon fires
- For use in high risk applications such as refineries, oil and chemical tankers, petrochemical and chemical plants.

2. LISTINGS AND APPROVALS



UL Listed - GFGV.EX27255

Underwriters Laboratories, UL 162 7th Edition Refer to the UL Listing for systems and devices that are approved for use with this concentrate. Refer to the system and device data sheets from Viking, NFPA 11, and relevant local standards for correct system design.

3. TECHNICAL DATA

Physical Data

Appearance	Dark brownish liquid
Specific gravity at 68 °F (20 °C).....	1,16 +/- 0.01 g/ml
Viscosity at 68 °F (20 °C).....	≤ 30 mPas +/- 5
pH	6,0 to 7,0
Freezing point.....	5 °F (-15 °C)
Recommended storage temperature.....	5 °F to 120 °F (-15 to 49 °C)
UL Listed storage temperature.....	35 to 120 °F (1,7 to 49°C)
Suspended sediment (v/v).....	Less than 0,2%
Surface tension.....	≤ 25,0 dynes/cm



Photo: Fotolia © dny3d



WARNING: Cancer and Reproductive Harm-
www.P65Warnings.ca.gov



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TABLE 1: ORDERING INFORMATION

Volume	Packaging	Part Number	Approximate Shipping Weight*		Dimensions* In (mm)		Sales Region
			Lbs.	Kg	Inches	mm	
25 Litres	Can	V-FP3UL/25	55**	25**	11x10x17	295x260x441	EMEA/APAC
200 Litres	Drum	V-FP3UL/200	461**	209**	23x23x37	581x581x935	EMEA/APAC
1000 Litres	IBC Tote	V-FP3UL/1000	2340	1060	47x39x45	1200x1000x1150	EMEA/APAC
6.5 US Gallons	Can	F20896-6.5	30**	67**	11x10x29	295x260x737	AMERICAS
55 US Gallons	Drum	F20896-55	488**	221**	23x23x37	581x581x935	AMERICAS
265 US Gallons	IBC Tote	F20896-265	2393	1084	47x39x45	1200x1000x1150	AMERICAS
Bulk	Bulk tanker deliveries available by special request. Contact Viking for availability.						

*Shipping Weight and Dimensions are approximate. **Weight does not include pallet.

4. ENVIRONMENTAL IMPACT

Viking FP 3% C6 is formulated using raw materials specially selected for their fire performance and their environmental profile. Viking FP 3% C6 is biodegradable. The handling of spills of concentrate or foam solutions should however be undertaken according to local regulations. Normally sewage systems can dispose foam solution based on this type of foam concentrate, but local sewage operators should be consulted in this respect. This product contains NO PFOS or PFOA. Full details will be found in the Safety Datasheet (SDS).

5. APPLICATION

Viking FP 3% C6 is intended for use on class B hydrocarbon fuel fires such as oil, diesel and aviation fuels. Viking FP 3% C6 can be applied directly onto the fire surface and is also suitable for sub surface injection. It is compatible with all dry chemical powders and can be used in powder/foam twin agent systems.

6. PROPORTIONING

Viking FP 3% C6 can easily be proportioned at the correct dilution using conventional equipment such as:

- Inline inductors
- Inline Balanced Pressure, proportioning systems (ILBP)
- Bladder tanks and ratio controllers
- Around the pump proportioning systems
- Water motor or turbine foam proportioners
- Self inducting branch pipes and nozzles

Refer to the UL Listing for proportioning equipment approved for use with this concentrate.

7. FIRE PERFORMANCE & FOAMING

The fire performance of this product has been measured and documented according to "International Approvals" stated in this document. The foaming properties depend on equipment used and other variables such as water and ambient temperatures. Average expansion 7:1, average ¼ drainage time 04:30 minutes using UNI 86 test nozzle.

8. SPRINKLER APPLICATION

In general, Fluoro Protein Foam is not permitted for use in closed head sprinkler systems.



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9. STORAGE / SHELF LIFE

Stored in original unbroken packaging the product will have a long shelf life. Shelf life in excess of 10 years will be found in temperate climates. As with all foams, shelf life will be dependent on storage temperatures and conditions. If the product is frozen during storage or transport, thawing will render the product completely usable.

We recommend following our guidelines for storage and handling ensuring favorable storage conditions.

10. SCOPE OF DELIVERY

We supply this product in 25 litre and 6.5 US gallon cans, 200 litre and 55 US gallon drums, 1000 litre and 265 US gallon IBC containers and in bulk on special request.

11. INSPECTIONS, TESTS AND MAINTENANCE

The foam concentrate should be tested annually. Refer to respective requirements, according to the relevant standards for Inspection, Testing and Maintenance. If applicable, refer to FM Global Property Loss Prevention Datasheet 4-12 for specific test and commissioning criteria. In addition, the "Authority Having Jurisdiction" (AHJ) may have additional maintenance, testing and inspection requirements that must be followed.

12. DISPOSAL



At the end of use the product packaging should be disposed of via the national recycling system. Some IBC Tote containers maybe part of a national collection scheme. Details will be attached to the IBC Tote if this service is available. Foam Concentrate should be disposed of according to local regulations.

13. AVAILABILITY

Please contact Viking for further information.

The product is available directly from Viking and official distributors only.

EMEA: Viking SA, ZI Haneboesch, L-4562 Differdange / Niederkorn, Tel.: +352 58 37 37 - 1, Fax: +352 38 37 36, vikinglux@viking-emea.com

Americas: The Viking Corporation, 210 N. Industrial Park Drive, Hastings, Michigan 49058, Toll free phone: (800) 968-9501

APAC: The Viking Corporation (Far East) Pte. Ltd., 69 Tuas View Square, Westlink Techpark, Singapore 637621
Tel: (+65) 6 278 4061, Fax: (+65) 6 278 4609, Email: vikingsingapore@vikingcorp.com

14. GUARANTEE

For details of warranty, refer to Viking's current list price schedule or contact Viking directly.

15. COMPATIBILITY

Contact Viking with questions regarding the compatibility of this product.