



TECHNICAL DATA

VIKING 3% XMAX HIGH EXPANSION 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 3% XMAX is a fluorine free concentrate consisting of hydrocarbon surfactants blended with various solvents, preservatives and stabilizers. It has been designed for use primarily in high expansion systems.

Viking 3% XMAX foam concentrate should be used at 3% of the solution volume (3 parts concentrate in 97 parts of water) in brackish, fresh or seawater.

Features:

- Tested and Listed with Viking VGH10000 Generators.
- Excellent firefighting on Class A and Class B hydrocarbon fires
- For use in high risk applications per applicable standards.

2. LISTINGS AND APPROVALS



UL Listed - GLKX.EX27844 Liquid Concentrates, High-expansion Foam

Underwriters Laboratories, UL 162 and UL 139

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, and relevant local standards for correct system design.

EN 1568 - Part 1, Part 2 & Part 3*

*Approval is in the name of the manufacturer. Contact Viking for further information.

3. TECHNICAL DATA

Physical Data

Appearance	Clear yellowish liquid
Specific gravity at 68 °F (20 °C).....	1,02 +/- 0.01 g/ml
Viscosity at 68 °F (20 °C).....	≤ 50 mPas
pH.....	6,5 to 8,5
Freezing point.....	21 °F (-6 °C)
UL Listed storage temperature.....	35 °F (1,6 °C)
Suspended sediment (v/v).....	Less than 0,2%

4. ENVIRONMENTAL IMPACT

Viking 3% XMAX is formulated using specially selected raw materials for their fire performance and their environmental profile. Viking 3% XMAX is biodegradable. The handling of foam concentrate or foam solution spills should be in accordance with local regulations. Sewage systems should have no processing issues with a 3% foam solution based on Viking 3% XMAX, but local sewage operators should be consulted in this respect. It is advisable to contain, collect and incinerate foam concentrate and solution. This product contains NO PFOS or PFOA. Viking 3% XMAX is formulated without the use of fluorinated surfactants. Full details will be found in the Safety Data Sheet (SDS).

5. APPLICATION

Viking 3% XMAX is intended for use on Class B hydrocarbon fuels such as oil, diesel, gasoline and aviation fuels as well as ordinary Class A combustibles. Viking 3% XMAX should be used with Viking High Expansion Generators where performance has been tested and documented. It is intended to be used as 3% concentrate.



Photo: Fotolia © dny3d



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





TECHNICAL DATA

VIKING 3% XMAX HIGH EXPANSION 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.

TABLE 1: ORDERING INFORMATION

Volume	Packaging	Part Number	Approximate Shipping Weight*		Dimensions* In (mm)		Sales Region
			Lbs.	Kg	Inches	mm	
25 Liters	Can	V-LSXMAX3/25	58.9**	26.7**	11x10x17	295x260x441	EMEA/APAC
200 Liters	Drum	V-LSXMAX3/200	468.5**	212.5**	23x23x37	581x581x935	EMEA/APAC
1000 Liters	IBC Tote	V-LSXMAX3/1000	2381	1080	47x39x45	1200x1000x1150	EMEA/APAC
6.5 US Gallons	Can	F23508-6.5	58**	26.3**	11x10x29	295x260x737	AMERICAS
55 US Gallons	Drum	F23508-55	486.9**	220.9**	23x23x37	581x581x935	AMERICAS
265 US Gallons	IBC Tote	F23508-265	2388	1083.3	47x39x45	1200x1000x1150	AMERICAS

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

6. PROPORTIONING

Viking 3% XMAX 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

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 are depending on equipment used and other variables such as water and ambient temperatures. Average low expansion 9:1, average ¼ drainage time 11:00 minutes using UNI 86 test nozzle. Has been fire tested against EN 1568-1, -2, and -3. The fire performance have been tested and approved by independent laboratory.

9. STORAGE / SHELF LIFE



**KEEP OUT OF
DIRECT SUNLIGHT**

WARNING:

Fluctuating environmental conditions such as temperature and sunlight can severely degrade foam concentrate.

- Do not expose to direct sunlight
- Store in climate controlled areas not subject to environmental fluctuations.
- Evaluate all storage containers for suitability based on expected environmental conditions.

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. Synthetic foam concentrates should only be stored in stainless steel or plastic containers. Since electrochemical corrosion can occur at joints between different metals when they are in contact with foam concentrate, only one type of metal should be used for pipelines, fittings, pumps and tanks employed in the storage of foam concentrates. We recommend following our guidelines for storage and handling ensuring favorable storage conditions.



TECHNICAL DATA

VIKING 3% XMAX HIGH EXPANSION 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.

10. SCOPE OF DELIVERY

This product is supplied in 25 liter and 6.5 US gallon cans, 200 liter and 55 US gallon drums, 1000 liter 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 such as NFPA11 or EN13565-2. 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 may be 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.