

	<h1 style="margin: 0;">TECHNICAL DATA</h1>	<p>2% XTRA HIGH EXPANSION FOAM CONCENTRATE CX</p>
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The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

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1. DESCRIPTION

Chemguard CX XTRA High Expansion Foam Concentrate is a synthetic based foaming agent suitable for use with either medium or high expansion foam generating equipment. It is generally proportioned at a 2% concentration (2 parts CX to 98 parts of water). When used through a high expansion or medium expansion generating discharge device the following extinguishing mechanism takes place:

- The large volume of foam engulfs the area being protected and prevents air from reaching the fire.
- As the foam is generated with water, and comes in contact with the fire, a large amount of steam is generated which helps reduce the oxygen content in the atmosphere.
- The water content in the foam produces a valuable cooling effect on the fire. This is particularly so with medium expansion generated foam, which has higher water content.

Features

- Excellent wetting characteristics when used in combating Class "A" fuel type fires
- If inadvertently frozen, thawing will render the product completely serviceable again
- Can be used with foam compatible dry chemical agents
- Suitable with high/medium foam generators



2. LISTINGS AND APPROVALS

N/A

3. TECHNICAL DATA

A. Typical Properties

(Not for specification purposes)

Nominal use concentration:	2%
Specific gravity @ 77°F (25°C):	1.002
Viscosity @ 77°F (25°C):	7 cps
Minimum storage temperature:	35°F (2°C)
Maximum storage temperature:	120°F (49°C)
pH @ 77°F (25°C):	7.5
Appearance:	Colorless Liquid

Viking Technical Data may be found on The Viking Corporation's Web site at <http://www.vikinggroupinc.com>. The Web site may include a more recent edition of this Technical Data Page.

When Chemguard XTRA High is mixed with water in the correct proportion, expansion ratios of up to 1,000 to 1 can be achieved. This expansion ratio is dependent on the type of discharge device and pressure of the system when operating.

B. Ordering Information

5-Gallon Pails (19 liters)	45 lb. (20.4 kg)	Part No. F14975/5
55-Gallon Drums (208 liters)	495 lb. (225 kg)	Part No. F14975/55
275-Gallon Tote (1041 liters)	2475 lb. (1123 kg)	Part No. F14975/275

4. STORAGE, ENVIRONMENTAL AND PROPORTIONING DEVICES

A. Storage And Shelf Life

If kept in the original unopened and airtight Chemguard supplied container and stored within the temperature range of 35°F-120°F (2°C-49°C), a shelf life of between 20-25 years can be expected. When stored in other than the original supplied container, check with Chemguard for storage guidelines.

The shelf life of any foam concentrate is maximized by proper storage conditions and maintenance. Factors affecting shelf life are wide temperature changes, extreme high or low temperatures, evaporation, dilution, and contamination by foreign materials. Properly stored foam concentrates have been tested and shown no significant loss of fire fighting performance, even after 15 years. Annual testing of all fire fighting foam is recommended by the National Fire Protection Association (NFPA).

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B. Environmental And Toxicological Information

Chemguard XTRA High is biodegradable, low in toxicity, and can be treated in sewage plants. Please refer further to Chemguard Technical Bulletin regarding foam products and the environment.

CX is a primary skin irritant. Repeated skin contact will remove oils from the skin and cause dryness. CX is a primary eye irritant, and contact with the eyes should be avoided. Users are advised to wear protective equipment. If CX enters the eyes, flush them well with water and seek immediate medical attention. For further details, see the CX Material Safety Data Sheet.

C. Proportioning

- Fixed or portable in-line eductors
- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank balanced pressure proportioning system

5. INSPECTIONS, TESTS AND MAINTENANCE

NOTICE: The owner is responsible for maintaining the fire protection system and devices in proper operating condition. For minimum maintenance and inspection requirements, refer to recognized standards such as those produced by NFPA, LPC, and VdS which describe care and maintenance of sprinkler systems. In addition, the "Authority Having Jurisdiction" may have additional maintenance, testing and inspection requirements which must be followed.

WARNING: Any system maintenance or testing which involves placing a control valve or detection system out of service may eliminate the Fire Protection of that system. Prior to proceeding, notify all Authorities Having Jurisdiction. Consideration should be given to employment of a Fire Patrol in the affected area.

6. AVAILABILITY

CX XTRA High Expansion Foam Concentrate is available through a network of domestic and international distributors. See the Viking Corp. web site for closest distributor or contact The Viking Corporation.

7. GUARANTEE

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