



TECHNICAL DATA

2% HIGH EXPANSION FOAM CONCENTRATE C2

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058
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 Visit the Viking website for the latest edition of this technical data page.

1. DESCRIPTION

Chemguard C2 foam concentrate (formerly MSA Vee Foam) is a multi-purpose foam concentrate that forms an effective vapor barrier in hazardous material spills and fire fighting situations. It is also used for fire extinguishment. It is surfactant based biodegradable, high water retentive.

C2 foam concentrate forms an effective vapor barrier against a broad range of volatile chemicals, including all classes of water-immiscible organic liquids and a wide range of acid and alkaline inorganic materials.

C2 foam concentrate can be used with high expansion equipment to combat three-dimensional fires where total flooding is the objective (such as paint booths, paper warehouses, airplane hangars and mines). When used with high expansion equipment, C2 foam concentrate produces a stable blanket of bubbles that can quickly build up to help suffocate flames. The long lasting foam also helps to prevent reignition.

Features

- U.L. Listed, High-Expansion Foam Liquid Concentrate at 2%
- Independent laboratory tests show that C2 Foam Concentrate retains water longer than other foams.
- It has demonstrated fire control capability with contained flammable liquefied gases, including LNG, LPG, Ethylene, Butadiene and Vinyl Chloride Monomer.



2. LISTINGS AND APPROVALS

UL Listed

3. TECHNICAL DATA

A. Typical Properties

(Not for specification purposes)

Nominal use concentration:	2%
Specific gravity @ 77°F (25°C):	1.022
Viscosity @ 77°F (25°C):	100 cps
Minimum storage temperature:	35°F (2°C)
Maximum storage temperature:	120°F (49°C)
pH @ 77°F (25°C):	6.5
Appearance:	Colorless Liquid

When Chemguard C2 foam 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. (20.41 kg)	Part No. F20721/5
55-Gallon Drums (208 liters)	495 lb. (224.5 kg)	Part No. F20721/55
265-Gallon Totes (1003 liters)	2475 lb. (1123 kg)	Part No. F20721/265

4. STORAGE AND ENVIRONMENTAL

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 manufacturers supplied container, please 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 C2 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

C2 2% Hi Expansion Foam is biodegradable. However, as with any substance, care should be taken to prevent discharge from entering ground water, surface water, or storm drains. With advance notice, C2 2% Hi Expansion Foam can be treated by local biological sewage treatment systems. Since facilities vary widely by location, disposal or discharge of C2 2% Hi Expansion Foam or foam solution should be made in accordance with federal, state and local regulations.

C2 2% Hi Expansion Foam is a primary skin irritant. Repeated skin contact will remove oils from the skin and cause dryness. The 2% Hi Expansion Foam is a primary eye irritant, and contact with the eyes should be avoided. Users are advised to wear protective equipment. If C2 2% Hi Expansion Foam enters the eyes, flush them well with water and seek immediate medical attention. For further details, see the C2 2% Hi Expansion Foam Material Safety Data Sheet.

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 that involves placing a control valve or detection system out of service may eliminate the fire protection capabilities of that system. Prior to proceeding, notify all Authorities Having Jurisdiction. Consideration should be given to employment of a fire patrol in the affected areas.

6. AVAILABILITY

C2 2% Hi 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.