

METEOR X High Expansion 2% Foam Concentrate

Features

- 2% on Hydrocarbons
- UL listed
- Specifically designed for use with HIEX SKUM foam generators
- Ideal for Aircraft Hangars or LNG protection

Description

METEOR X High Expansion Foam Concentrate is a synthetic based formulation comprised of hydrocarbon surfactants, solvents, and stabilizers for use with medium and high expansion foam generators. It is transported and stored as a concentrate to provide ease of use and considerable savings in weight and volume.

METEOR X 2% High Expansion Foam Concentrate can be used to produce foam with expansion ratios ranging from 50:1 to 1000:1 depending upon the type of generator and its operating pressure. It must only be proportioned with fresh water. When used with high expansion generators, recommended proportioning is at 2% (2 litres METEOR X concentrate with 98 litres of water).

Performance

The performance of METEOR X 2% High Expansion Foam Concentrate will vary depending upon the performance characteristics of the equipment. Expansion ratios through high expansion generators typically are between 200:1 and 1000:1. For this reason, it is important for the proper design of a high expansion system that the METEOR X 2% High Expansion Foam Concentrate be specifically listed with the foam generators.

Refer to the performance table listing expansion ratios of HIEX high expansion SKUM generators used in conjunction with METEOR X 2% Foam Concentrate (See HIEX Generator Data Sheet 1024/140).

Application

METEOR X High Expansion Foam Concentrate can be proportioned easily at the correct dilution using most conventional proportioning equipment such as:

- PP, PPW pressure pump proportioning equipment
- MTB Bladder tank and related TP proportioners
- Fixed In-line venturi type MI inductor
- Around the pump type PI proportioners



METEOR X 2% High Expansion Foam Concentrate is a tremendously flexible firefighting agent, used in fighting Class A, Class B, and LNG fires both indoors and outdoors. It is used only with air aspirating foam discharge devices except when used as a wetting agent on Class A fuels.

METEOR X 2% High Expansion Foam Concentrate, when used with high expansion generators, is capable of totally flooding large rooms and enclosures allowing it to effectively extinguish horizontal and vertical (three-dimensional) fires. High-expansion foam is also effective in reducing vapour concentrations downwind from un-ignited LNG and other hazardous low boiling point gaseous products such as ammonia spills.

METEOR X is ideal for fixed high expansion systems such as warehouse total flooding protection, LNG pits, and aircraft hangars.

To meet performance expansion tables, METEOR X should only be used with fresh water.

Approvals and Listings

METEOR X High Expansion Foam Concentrate is Underwriters Laboratories (UL) Listed with various models of high expansion foam generators devices.



Storage and Shelf Life

METEOR X has an operational temperature range of +2°C and +49°C.

When stored in the packaging supplied (polyethylene drums or cans) or in equipment recommended by the manufacturer as part of the foam system and within the temperature limits specified, the shelf life of METEOR X Concentrate is about 20-25 years.

The factors affecting shelf life and stability for SKUM foam agents are discussed in detail in our Technical Bulletin for storage recommendation.

If the product is frozen during storage or transportation, thawing will render the product completely usable. Mixing after freeze thaw cycling is recommended.

Safety and Handling

See our corresponding "Material Safety data sheet".

Eco-Toxicology and Disposal

METEOR X is environmentally safe and rapidly biodegradable. METEOR X does not contain any fluorosurfactant and is therefore considered as a fluorine free foam.

Compatibility

There are no specifications or standards which address the subject of compatibility of different manufacturer's brands of multiple expansion foam concentrates. In an emergency or if the manufacturer has supporting test data to substantiate that the mixture meets the same requirements as the individual component concentrates, they may be mixed together in the same storage vessel.

Different types of foam concentrates, i.e., multiple expansion and protein base, should not be mixed under any circumstances.

Refer to SKUM Technical Bulletin No. 13A addressing acceptable materials of construction.

For more information, please email info@skum.com

Inspection

As with any fire extinguishing agent, METEOR X 2% High Expansion Foam Concentrate, whether in the concentrate or pre-mixed form, should be inspected periodically. NFPA 11, "Standard for Low, Medium, and High Expansion Foam Systems," requires that foam concentrate samples be submitted to the manufacturer or other qualified laboratory for quality condition testing at least annually. Contact us for further information on annual inspection.

Quality Assurance

METEOR X – as with all TYCO Products is subject to very stringent quality controls throughout all stages of production, from incoming raw to the complete product and is manufactured in an ISO 9001:2008 controlled facility.

Typical Properties at 20°C

■ METEOR X	HI-EX 2%
■ Fire Classes	A and B
■ Shape and colour	Blue, clear liquid
■ Smell	Characteristic, surfactant-like
■ Density (25°C)	1.02 ±0.01 [g/ml]
■ pH (concentrate, 25°C)	6.0 - 7.0
■ Viscosity 25°C	8.0 ±2.0 [mm ² /s]
■ Sediment	≤ 0,1 [%]
■ Admixing ratio	2 [% Vol.]
■ Refractive index	1.350 ±0.015
■ Expansion	Low, Medium, High
■ Recommended storage/ Usage temperature	+2 to +49 [°C]

Ordering Information

METEOR X can be supplied in drums or totes.

<u>Part No.</u>	<u>Description</u>
■ 182438824	208 Litre drum
■ 182438425	1000 Litre tote

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