

TOWALEX MB 15 HIGH EXPANSION 3% Foam Concentrate

Features

- 2 to 3% on Hydrocarbons
- Freeze protected to -17°C
- For use with low, medium or high expansion foam generators
- Suitable for use with fresh, salt or hard water
- Supplied ready to use in 20, 25, 200 or 1000 litres packaging

Description

TOWALEX MB 15 is a synthetic multipurpose foam concentrate based upon fatty alcohols, alkyl sulphates and butyl carbitol. Many fire tests during test programs have shown that it forms a stable foam blanket on burning non-polar solvents. It also forms a stable low, medium and high expansion foam which rapidly fills large spaces.

TOWALEX MB 15 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.

When used with high or medium expansion foam generators, recommended proportioning is at 2 to 3% (3% = 3 litres of TOWALEX MB 15 with 97 litres of water).

Performance

The performance of TOWALEX MB 15 foam concentrate when used at high expansion 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 TOWALEX MB 15 foam Concentrate be specifically tested with the foam generators.

Medium expansion foam generators typically deliver expansion ratios between 50:1 and 200:1.

Application

TOWALEX MB 15 can be used by most conventional foam equipment such as:

- Balance pressure pump proportioning equipment
- Bladder tank and related proportioners
- Fixed and portable In-line venturi type inductors
- Fixed or handline nozzles with fixed induction/pick up



TOWALEX MB 15 is a multipurpose firefighting agent, used in fighting Class A and Class B 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.

When used with high expansion generators, TOWALEX MB 15 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 down wind from hazardous low boiling point gases such as ammonia spills.

When used with medium expansion foam equipment, TOWALEX MB 15 forms a foam blanket which prevents the release of fuel vapour and also provides additional cooling due to the higher water content. Medium expansion foam has benefits in outdoor applications because the foam is less affected by wind conditions.

TOWALEX MB 15 is ideal for fixed or portable medium and/or high expansion systems, fire brigades, and aircraft hangars. The foam produced by TOWALEX MB 15 extinguishes hydrocarbon fires best when applied using gentle application.

TOWALEX MB 15 is compatible with all foam-compatible dry chemical extinguishing powders.

Sea water can be used without an increase in the application rate.

Approvals and Listings

The fire performance of TOWALEX MB 15 is measured and listed according to:

- DIN 14 272 (formerly approved under TOWALEX F-15; 3% name)



Storage and Shelf Life

TOWALEX MB 15 has an operational temperature range of -15°C and +60°C. Limited exposure to temperatures above +60°C does not affect the firefighting performance.

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 TOWALEX MB 15 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, the concentrate should be thawed and used without any degeneration of the performance.

Safety and Handling

See our corresponding "Material Safety data sheet".

Eco-Toxicology and Disposal

TOWALEX MB 15 is environmentally safe and rapidly biodegradable.

TOWALEX MB 15 does not contain any fluorosurfactant and can be as such considered as a fluorine free foam.

For more information, please email info@skum.com

Quality Assurance

TOWALEX MB 15 – 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. Quality assurance is therefore guaranteed.

Typical Properties at 20°C

■ TOWALEX MB 15	HI-EX 2-3%
■ Fire Classes	A and B
■ Shape and colour	Red, clear liquid
■ Smell	Characteristic, surfactant-like
■ Density (20°C)	1.04 ±0.02 [g/ml]
■ pH (concentrate, 20°C)	7.0 ±0.5
■ Viscosity 20°C	6.0 ±2.0 [mm ² /s]
■ Sediment (EN 1568)	≤ 0,1 [%]
■ Admixing ratio	2-3 [% Vol.]
■ Expansion Ratio (EN 1568-3)	≥ 9.0
■ Drain Time 25%, (20°C, EN 1568-3)	≥ 6:00 [min:s]
■ Drain Time 50%, (20°C, EN 1568-3)	≥ 11:00 [min:s]
■ Expansion	Low, Medium, High
■ Freezing Point	≤ -20 [°C]
■ Pour Point	≤ -17 [°C]
■ Recommended storage/ Usage temperature	-15 to +60 [°C]

Ordering Information

TOWALEX MB 15 can be supplied in cans, drums, totes or Bulk (contact us for Bulk delivery details).

<u>Part No.</u>	<u>Description</u>
■ F203129C2	20 Litre can
■ F203129C3	20 Litre DIN can
■ F203129C1	25 Litre can
■ F203129D1	200 Litre drum
■ F203129T1	1000 Litre tote
■ F203129B1	Bulk