

TOWALEX MB GREEN Training Foam Concentrate

Features

- Designed to be proportioned at 3%
- For use during TRAINING to SIMULATE Foam agent
- Economical fire training alternative
- Can be used to calibrate proportioning equipment
- Biodegradable; this product is considered to be readily biodegradable. It does not contain any fluorochemicals or polymers
- For use with low, medium or high expansion foam generators
- Supplied ready to use in 20, 25, 200 or 1000 litres packaging

Description

TOWALEX MB GREEN is a synthetic multipurpose foam concentrate based upon water, fatty alcohols and alkyl sulphates. It forms a stable foam blanket on burning non-polar solvents. It also forms a stable medium and high expansion foam.

TOWALEX MB GREEN 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 3% (3 litres of TOWALEX MB GREEN with 97 litres of water).

Performance

TOWALEX MB GREEN Training Foam has been carefully formulated to allow firefighters the ability to conduct training with their own foam proportioning and generating equipment, while minimizing the effects of such training on the environment.

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

Application

TOWALEX MB GREEN is specifically designed as a training foam for fire brigades and training centres. Due to its low environmental impact it can also be used to calibrate proportioning equipment on fixed installations.



TOWALEX MB GREEN 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 inductor
- Fixed or handline nozzles with fixed induction/pick up

TOWALEX MB GREEN is a training foam multi-purpose that can also be used as a firefighting agent. Used in fighting Class A and Class B both indoors and outdoors, it should be used only with air aspirating foam discharge devices

When used with high expansion generators, TOWALEX MB GREEN is capable of totally flooding large rooms and enclosures allowing it to effectively extinguish horizontal and vertical (three-dimensional) fires.

TOWALEX MB GREEN is ideal for fixed or portable medium and high expansion equipment. The foam produced by TOWALEX MB GREEN should only be applied on non-polar liquids such as hydrocarbon flammable liquids and perform best when applied using gentle application.

Approvals and Listings

The fire performance of TOWALEX MB GREEN have also been measured to verify its fire fighting performances according to:

- NT-FIRE 023 by the Swedish National Testing and Research Institute Fire technology

Storage and Shelf Life

TOWALEX MB GREEN has an operational temperature range of -2°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 GREEN 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

The product has been formulated with surfactants and other chemicals commonly found in household products such as shampoo and dish washing detergents. It is safe to handle, is readily biodegradable and has low orders of aquatic toxicity.

Readily biodegradable, according to appropriate OECD test.

- Chemical Oxygen Demand (COD) = 331.700 mg O₂/l
- Biochemical Oxygen Demand (BOD) = 284.400 mg O₂/l
- Fish test LC50 = 116 mg/l (Brachydanio rerio)
- EC10/18h/bacteria = 30 mg/l
- Toxicity to daphnia: EC50/24h = 126 mg/l
- EC50/72h/algae = 10,8 mg/l

TOWALEX MB GREEN 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 GREEN – as with all TYCO Products is subject to a 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 GREEN	TRAINING FOAM 3%
■ Fire Classes	A and B
■ Shape and colour	Pale yellow clear liquid
■ Smell	Characteristic, surfactant-alike
■ Density (20°C)	1.03 ±0.02 [g/ml]
■ pH (concentrate, 20°C)	7.0 ±0.5
■ Viscosity 20°C	4.0 ±2.0 [mm ² /s]
■ Sediment (EN 1568)	≤ 0,1 [%]
■ Admixing ratio	3 [% Vol.]
■ Expansion Ratio (EN 1568-3)	≥ 8.0
■ Drain Time 25%, (20°C, EN 1568-3)	≥ 4:00 [min:s]
■ Drain Time 50%, (20°C, EN 1568-3)	≥ 7:00 [min:s]
■ Expansion	Low, Medium, High
■ Pour Point	≤ -5 [°C]
■ Recommended storage/ Usage temperature	-2 to +60 [°C]

Ordering Information

TOWALEX MB GREEN can be supplied in cans, drums or totes.

<u>Part No.</u>	<u>Description</u>
■ F203150C2	20 Litre can
■ F203150C1	25 Litre can
■ F203150D1	200 Litre drum
■ F203150T1	1000 Litre tote