

(replaces datasheet 1023/5)

Product description

Meteor P+ foam concentrate is a full synthetic foam compound which has been especially developed to meet the requirements of the HotFoam™ inside air systems but is also suitable for any other application where the highest quality, top performing foam concentrate is required.

Meteor P+ concentrate forms a very stable foam when expanded by extremely hot and aggressive combustion gasses.

Application description

Mainly used for inside air foam systems in enclosed spaces. Suitable for applications such as warehouses, flammable liquid storage protection and tunnel facilities as well as marine engine and pump rooms.

Product features

Meteor P+ forms High Expansion foam using inside air, including combustion gasses. Expansion ratios through the HotFoam generators typically are between 600:1 and 700:1. The foam fills the protected space, extinguishes the fire within it and prevents any re-ignition. It can be used with fresh, sea or brackish water.

Proportioning

Meteor P+ is used by most conventional foam equipment, such as:

- Balance pressure and in-line balance pressure pump proportioning equipment
- Balance pressure bladder tank type proportioners
- Around-the-pump proportioners
- Fixed and portable in-line venturi type proportioners
- Fixed or handline nozzles with fixed induction/pick up tubes



Characteristic Properties

Meteor P+

Specific gravity	1,03 +/- 0,01 g/ml
pH	6,0 – 8,0
Foam Expansion Ratio (high expansion)	200-800:1 (equipment dependant)
Foam Expansion ratio (low expansion, IMO MSC/Circ. 582 method)	>9:1
Foam Drainage Time (low expansion, IMO MSC/Circ. 582 method)	> 6 min
Recommended induction rate	
Low expansion	2%
High expansion	2%
Viscosity at (ISO 3104 method):	
20°C	<30 cPs
Minimum storage temp.	<400 cPs
Sediments (IMO MSC/Circ. 582 method)	< 0,25%
Pour point	-10°C

Recommended Use

Meteor P+

Storage temperature	min -7°C; max +45°C
Usage temperature	min +1°C
Storage containers	Original container Coated carbon steel tanks GRP or other plastic tanks Stainless steel tanks Bladder tanks (rubber bladders)

Controlled tank ventilation is recommended. Storage of premix is not recommended.

HotFoam is a trademark of Skum



www.skum.com

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Listings and approvals

- Det Norske Veritas (DNV)
- Lloyds Register of Shipping (LRS)
- Bureau Veritas (BV)
- Germanischer Lloyd (GL)
- American Bureau of Shipping (ABS)
- China Classification Society (CCS)

Storage

Plastic cans and drums are recommended. Meteor P+ is ready to work at temperatures between -7°C and +45°C. Limited exposure to +60°C does not affect its fire fighting properties. Flash point: >80°C.

We recommend stainless steel or plastic for equipment coming into direct contact with the concentrate or premix. Black carbon steel is not recommended.

The product could become cloudy below 2°C but performance is not affected. A shelf life of at least 10 years is guaranteed if the concentrate is stored according to our recommendations.

Restoring frozen concentrate

If for any reason Meteor P+ foam concentrate becomes frozen (solid or semi-solid), for instance during transportation etc., it can be easily restored from its solid / semi-solid state by heating (max +49°C). Stirring the heated compound will speed up the thawing process. The concentrate will recover completely and all properties will remain according to specifications. The restoration procedure is recommended for safety and functionality.

Safety

Meteor P+ foam concentrate includes no hazardous components. The concentrate may however be an irritant to eyes or skin when exposed. If exposed, wash with copious amounts of water. If swallowed, do not induce vomiting, seek medical attention.

Contaminated clothing should be laundered before use. Rubber gloves and safety glasses are



recommended. Due to its surfactant nature and wetting capabilities Meteor P+ does have a degreasing effect to skin which may cause temporary irritation and itching. There is no known allergenic effect. However, due to the nature of allergies, it cannot be excluded. We recommend the use of safety gloves and glasses while handling the agent and the immediate removal of soaked clothing.

Contain and collect spill. Dispose according to local regulations (see also environment part of this information). Areas on which a spill has occurred may be slippery. Thoroughly flush all surfaces exposed to foam spills.

Environment	
Meteor P+ (concentrate)	
Total organic carbon (TOC)	53250 mg/lit
Chemical oxygen demand (COD)	27000 mg/lit
Biodegradability (BOC/COD)	51%
Meteor P+ (2% solution)	
Total organic carbon (TOC)	9550 mg/lit
Chemical oxygen demand (COD)	5000 mg/lit
Biodegradability (BOC/COD)	51%

