Technical Data Sheet
HydroGel BM 048

Description

Multi purpose, environmentally safe fire extinguishing agent

Application examples

Class A, B, F fires and Lithium Ion battery fires

Benefits

Effective for wide range of fire types
Sticking to heat surfaces for maximum cooling
Maximum prevention against re-ignition
Environmentally safe
Safe to use

Status

Commercial

Characteristics

Agent	**Thermo-responsive gel**
Additive type	**Clay**
Density	**1,0 kg/m3 (ISO 1183)**
Viscosity	**Thixotropic**
	At 25 degr. C: 200 mPas (static)
	At 25 degr. C: 30 mPas (dynamic 100 rpm)
	At 25 degr. C: 1-5 mPas (dynamic 10000 rpm)
	At 60 degr. C: 32.000 mPas (static)
	At 60 degr. C: 70 mPas (dynamic 100 rpm)
Freezing temperature	**0°C (ISO 11357-1/-3)**
pH	**5 - 7**
Biobased content	**>99%**
Eco-Toxicity	**Safe for environment**
	OECD 202 and EU C.2: 48h-EC50 > 100 mg/L (nominal)
	OECD 201 and EU C.3:

Endpoint	EC50
Growth Rate	**> 100 mg/L**
Yield	**> 100 mg/L**

Appearance	**white-greenish liquid / odorless**
Other	**Corrosive**

Application

Handheld fire extinguishers	**2, 6 and 9 liters**
Sprinkler systems	
Fire classes	**A, B, F + Lithium battery acc. NTA 8133 (9 liters)**

Other

Packaging	**1000 liter plastic IBC container or 25 liter plastic jerrycan**
Storage recommendation	**60 months from delivery in original package**
	Keep cool and dry
	Ambient temperature > 5 degr.C
Safety and handling	**Prevent foaming during filling**
	Rinse immediately with sufficient water when spilled