

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

<p style="text-align: center;">Agent Additive type Density Viscosity</p> <p style="text-align: center;">Freezing temperature pH Biobased content Eco-Toxicity</p> <p style="text-align: center;">Appearance Lifetime Other</p>	<p style="text-align: center;">Thermo-responsive gel Clay 1,0 kg/dm³ (ISO 1183) 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) 0°C (ISO 11357-1/-3) 5 - 7 >99% Safe for environment OECD 202 and EU C.2: 48h-EC50 > 100 mg/L (nominal) OECD 201 and EU C.3:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Endpoint</th> <th style="text-align: left;">EC50</th> </tr> </thead> <tbody> <tr> <td>Growth Rate</td> <td>> 100 mg/L</td> </tr> <tr> <td>Yield</td> <td>> 100 mg/L</td> </tr> </tbody> </table> <p style="text-align: center;">white-greenish liquid / odorless >10 years in protected atmosphere Corrosive</p>	Endpoint	EC50	Growth Rate	> 100 mg/L	Yield	> 100 mg/L
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Application

<p style="text-align: center;">Handheld fire extinguishers Sprinkler systems Fire classes</p>	<p style="text-align: center;">2, 6 and 9 liters A, B, F + Lithium battery acc. NTA 8133 (6 and 9 liters)</p>
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Other

<p style="text-align: center;">Packaging Storage recommendation</p> <p style="text-align: center;">Safety and handling</p>	<p style="text-align: center;">1000 and 300 liter plastic IBC container or 25 liter plastic jerrycan 60 months from delivery in original package Keep cool and dry Ambient temperature > 5 degr.C Prevent foaming during filling Rinse immediately with sufficient water when spilled</p>
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