BIO FOR C

DESCRIPTION

BIO FOR C is a wetting and foaming additive for forest fires, urban fires and industrial fires fighting. It can be used at very low concentration:

- **Wetting effect 0.1 – 0.3% / Foaming effect 0.3 – 0.5%**.

- **Wetting power**: the water with BIO FOR C deeply penetrates all solids, so multiplying the extinguishing power and preventing early fire restart. BIO FOR C increases the speed of extinction on vegetation fires, car fires, house fires, dumping site fires, plastic fires, tyre fires... The saving of water eases the cleaning of destroyed houses.

- **Foaming power**: BIO FOR C is usable at Low, Medium and High Expansion with all known equipment. Its foam clings and sticks to vertical structure for a long time.

- **Corrosion**: BIO FOR C contains an additive NITRATE-FREE with a strong inhibition effect against metal corrosion.

- **Fuel fires**: BIO FOR C is efficient on all hydrocarbon fires, such as diesel, kerosene, petrol... So it is perfectly usable for any vehicle fires.

- **Environment**: BIO FOR C is harmless for environment and totally biodegradable.

BIO FOR C is totally fluorine-free.

PHYSICAL DATA

- **Appearance**: red liquid
- **Specific gravity at 20°C**: 1.03 ± 0.02 Kg/dm³
- **pH at 20°C**: 7.0 ± 1.0
- **Viscosity at 20°C**: 30 ± 2 cStokes
- **Sediments**: 0%
- **Surface tension at 0.3 %**: 25 ± 2 mN/m
- **Freezing point**: -15°C
- **Temperature of use**: -10°C / +50°C

FOAM QUALITY AT 0.5%

- Low Expansion: > 8*
- Drainage time 25 %: >4 minutes
- Medium Expansion: > 50*
- High Expansion: > 700*

* Foam expansion values depend on the equipment

PERFORMANCES & APPLICATIONS

BIO FOR C complies with standards:

- EN 1568-1 • EN 1568-2 • EN 1568-3
- Navy : Bureau Veritas certificate
- UL : NFPA 18

BIO FOR C can be used with Compressed Air Foam systems (CAFs).

BIO FOR C can be used for all structural fires with tap water, sea water and brackish water. Depending on the fuel and the intervention – extinction or protection – we recommend different methods of application:

<table>
<thead>
<tr>
<th>FIRES</th>
<th>APPLICATION</th>
<th>CONCENTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low fires: bush, grass, sawdust, tundra, muskeg...</td>
<td>Wetting</td>
<td>0.1 %</td>
</tr>
<tr>
<td>High fires: standing timber, structures, farms...</td>
<td>Wetting foaming LE*</td>
<td>0.3 %</td>
</tr>
<tr>
<td>Urban fires: flat, houses, warehouses</td>
<td>Foaming LE*</td>
<td>0.3 %</td>
</tr>
<tr>
<td>Vehicles fires: cars, tractors...</td>
<td>Foaming LE* / ME*</td>
<td>0.5 %</td>
</tr>
<tr>
<td>Solid fires: plastic, tyres, wood, cotton...</td>
<td>Wetting foaming LE*</td>
<td>0.3 %</td>
</tr>
<tr>
<td>Warehouse flooding</td>
<td>Foaming HE*</td>
<td>0.5 %</td>
</tr>
<tr>
<td>Hydrocarbon fires</td>
<td>Foaming LE*</td>
<td>0.5 %</td>
</tr>
</tbody>
</table>

* LE : Low Expansion * ME : Medium Expansion * HE : High Expansion

WARRANTY & SERVICES

BIO FOR C has a 10 years warranty in its original packaging and at storage temperatures -30°C/+60°C.

Our Quality Control Laboratory offers its analytical expertise BIO-LAB.

Safety Data and Environment Data are available upon request: contact@bio-ex.fr

www.bio-ex.com

Z.I. La Petite Oliveïre
69770 MONTROTTIER France • TEL : +33 (0)4 74 70 23 81