

### 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/dm <sup>3</sup> |
| pH at 20°C               | 7.0 ± 1.0                      |
| Viscosity at 20°C        | 30 cStokes                     |
| Viscosity at -10°C       | 300 cStokes                    |
| Sediments                | 0 %                            |
| Surface tension at 0.2 % | 25 ± 2 mN/m                    |
| Freezing point           | - 15°C                         |
| Temperature of use       | - 10°C / + 50°C                |

### FOAM QUALITY AT 0.5 %

|                    |           |
|--------------------|-----------|
| Low Expansion      | 10*       |
| Drainage time 25 % | 6 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 : class IIIC

▲ Navy : Bureau Veritas certificate

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 :

| FIRES  | APPLICATION         | CONCENTRATION |
|--|---------------------|---------------|
| Low fires: bush, grass, sawdust, tundra, muskeg... | Wetting             | 0.1 %         |
| High fires : standing timber, structures, farms... | Wetting foaming LE* | 0.3 %         |
| Urban fires : flat, houses, warehouses             | Foaming LE*         | 0.3 %         |
| Vehicules fires : cars, tractors...                | Foaming LE* / ME*   | 0.5 %         |
| Solid fires : plastic, tyres, wood, cotton...      | Wetting foaming LE* | 0.3 %         |
| Warehouse flooding                                 | Foaming HE*         | 0.5 %         |
| Hydrocarbon fires                                  | Foaming LE*         | 0.5 %         |

\* 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](mailto:contact@bio-ex.fr)