

# **BIO FOR C**

## WETTING AND FOAMING ADDITIVE

#### **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.

### **PHYSICAL DATA**

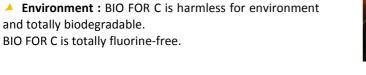
Appearance	red liquid	
Specific gravity at 20°C	1.03 ± 0.02 Kg/dm <sup>3</sup>	
pH at 20°C	7.0 ± 1.0	
Viscosity at 20°C	30 ± 2 cStokes	
Sediments	0 %	
Surface tension at 0.3 %	25 ± 2 mN/m	
Freezing point	- 15°C	
Temperature of use	- 10°C / + 50°C	

## **FOAM QUALITY AT 0.5 %**

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







#### **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:

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 %
Vehicles 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 %

<sup>\*</sup> 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

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