



**FIRE** **ECO** **HAZARD** **PREVENTION** **CONTROL** **SUPPRESSION**

# QF

BIOVERSAL QF is an internationally certified fire-extinguishing agent with unmatched performance in fighting class A, B, 3D fires. Due to its encapsulation mechanism BIOVERSAL QF rapidly cools down the combustible, inhibits the formation of explosive vapors and smoke. BIOVERSAL QF ist therefore save for users and environment.

A good extinguishing foam, of course, has to be effective in fighting A class and B class fires. It also has to prevent re-ignition, must not corrode any materials and it should be skin-friendly. Where such require-

ments are concerned, Bioversal QF can match any conventional extinguishing foam.

But when it comes to respond to demanding environmental regulations, QF surpasses all agents of its type. Conventional extinguishing foams are based on environmentally unfriendly and often persistent compounds. On use in open-air environments, they have damaging effects and disrupt the water balance and biological cleansing processes. Bioversal QF, on the other hand, is non-toxic, rapidly and fully

biodegradable. But even more important is that the Bioactivator in QF catalyzes and accelerates biodegradation of oil residues. Bioversal QF extinguishes and cleans up. It gives back grip to road surfaces and prevents skid risk. This is why Bioversal QF is outstandingly suited for cleaning oil or other hydrocarbon pollution that has spilled on floors and roads.

Bioversal QF mitigates the risk of fire or explosion hazard and contributes to enhance fire men safety during missions.



- ☞ Effective fire extinguishing and cleaning without water hazard
- ☞ Highly biodegradable
- ☞ Accelerates biological degradation of hydrocarbons
- ☞ Dermatologically tested
- ☞ Not corrosion comburant

**pH-neutral multi-purpose foam for fire extinguishing, as well as cleaning and elimination of oil-spills and traces in case of accidents and fires. Eliminates oil-skid risks on road surfaces immediately and permanently.**

**Fire extinguishing**

QF foam can be used as a pre-mix (add QF to water) or with intermediate mixers. QF is suitable for use with fresh water or seawater.

Dilution rate A-class fires 0,5% - 3%  
B-class fires 3% - 6%

**Oil-spills on road surfaces**

Remove large oil quantities mechanically. Apply 1% - 3% QF. Use high-pressure equipment and/or scrub vigorously. Rinse off with water. If necessary repeat treatment.

**Oil-spills on water**

Remove large oil quantities mechanically. Apply 1% - 3% QF and spray directly on the remaining oil. Still water should be agitated. Removal of oil-spills in coordination with authorities!

For safety guidelines see material safety data sheet. For technical information see technical data sheet.

Store between 0°C - +60°C in sealed container. Shelf-life 5 years in sealed container. Water hazard classification 1 (concentrate).

**International licences**

DIN14 272-2, EN1568-3, UL-162, GOST, ICAO level B. Approved by MPA/Germany and Dutch Rijkswaterstaat for oil-spill cleaning on road surfaces. Dutch Environmental Label as EN-3 fire extinguisher foam.

UBA-No. 20780044  
Product-No. FE 802  
Continuous quality control  
Made in the EU

BIOVERSAL contains biodegradable and eco-compatible surfactants optimized by the unique BIO-ACTIVATOR, which catalyzes and accelerates the natural self defense and regeneration mechanisms of the Ecosystem. BIOVERSAL protects, supports and enhances autochthone bacteria in their natural process of microbiological degradation of toxic hydrocarbon complexes during and after Ecological Hazards. The natural residual products CO<sub>2</sub> and H<sub>2</sub>O ultimately remain as the end product of the degradation process. Bioversal's multifunctional Biotechnology products redefine the term Biodegradability. Not only that our products are environmentally friendly and surpass demanding international environmental regulations, but the application of our products transforms toxic Hydrocarbons C<sub>n</sub>, PAH, BTEX into a feasible and accelerated Biodegradation Job, making NATURE YOUR ALLY.



Bioversal® is also the designation for a series of high-quality oil-cleaning agents. All these products are composed of environmentally safe biochemical ingredients and accelerate the biodegradation of pollution with the assistance of the microorganisms that occur everywhere in nature. It is exactly because of this environmentally-friendly approach that the cleaning process is so highly effective.



PO Box 261, Franklin, LA 70538  
Toll Free: 800-227-7394 www.marktool.com

