





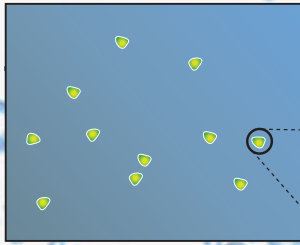
**FIRE** **ECO** **HAZARD** **PREVENTION**  **CONTROL**  **SUPPRESSION**

# IMPACT BIOVERSAL PRODUCTS

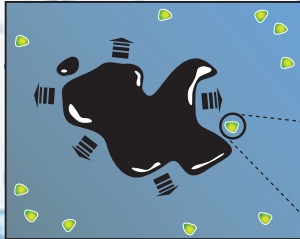
Petroleum Hydrocarbons are among the most frequent contaminants in soil and ground water because of their widespread use. Although most of the components of mineral oil products can be considered to be readily biodegradable, their natural degradation rates are frequently reduced considerably as a result of the limited natu-

ral resources, especially of nutrients and oxygen. Optimizing the environmental conditions within the framework of Enhanced Natural Attenuation (ENA) can significantly increase the performance of pollutant degradation in soil and ground water. Pollutant mobilization has a key role as part of the ENA process. It should be noted

in this context that only those surfactants which are themselves completely biodegradable and biocompatible with the existing bacteria should be used. Bioversal products are surfactants of natural origin. Their biochemical structure is largely related to natural biosurfactants, hence making them especially suitable.

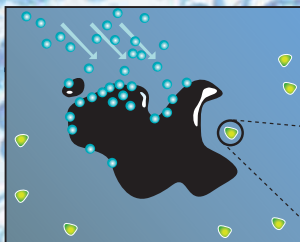


**Intact ecosystem** A functioning and intact ecosystem with fauna and flora also includes micro-organisms in a stable interrelationship with their environment. They fulfil an important function for sustaining the ecological equilibrium.

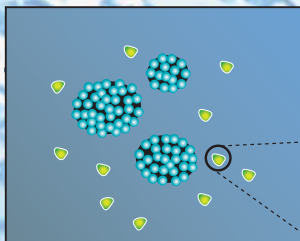


**Oil pollution disturbs the structure** Oil, grease and other organic pollutants have a massively negative effect on the ecological equilibrium in water and soil structures.

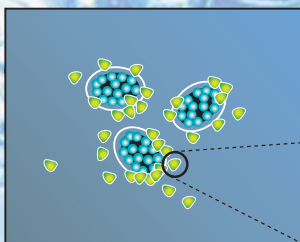
**Natural regeneration takes time** Natural regeneration takes place without using Bioversal products, but it takes much longer and ecological damage can not be avoided.



**Use for decontamination** Bioversal technology accelerates biological regeneration by enlarging the oil surface. The simultaneous encapsulation of the oil particles inhibits the characteristic adhesive power of the oil to accumulate on solid surfaces. Bioversal transforms oil surfaces in microscopic stable micelles rising bioavailability by creating a larger working surface.

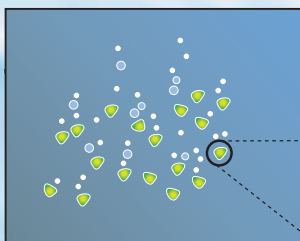


**Biological breakdown begins** Bioversal products contain vegetable active substances and a natural BioActivator creating best possible living conditions for micro-organisms. Bioversal stimulates and catalyzes indigenous micro-organism activity, essential mechanism of the Biodegradation process.



**Biodegradation takes place** Accelerated Biodegradation is now made possible. Enlarged Pollutant Surface and an increasing population growth of a biodiversity of autochthon micro-organisms appear simultaneously to guarantee enhanced micro-organisms' metabolism.

**Accelerated Biodegradation of pollutants** The natural process of regeneration of the polluted area is speeded up and ecological equilibrium is restored more rapidly.



**The ecosystem is restored!** Bioversal's Advanced Biotechnology helps to restore the natural self-defense mechanisms and brings an endangered ecosystem back to balance. Whenever Oil pollution has to be removed efficiently, Bioversal is the eco-compatible solution assuring your vision of a ecosustainable development.

Bioversal makes NATURE YOUR ALLY!