

# ABSORBENT

MADE IN SWEDEN INSPIRED BY NATURE



Biosorbe AB is a cleantech company that, in collaboration with the KTH Royal Institute of Technology, has developed a patented biomaterial called Biosorbe. Biosorbe is an efficient and environmentally friendly absorbent of hydrocarbons in water, air and soil. It replaces the plastic and oil-based alternatives that exist on the market today. Biosorbe efficiently absorbs oil and hydrocarbons in polluted water and air. The product is a result of a science project at the KTH Royal Institute of Technology which has been developed and commercialized by Biosorbe AB, with continued collaboration between KTH and the University of Karlstad.

## Material characteristics:

- Oil absorption: more than 10 times its weight.

- Can be used in both wet and dry environments.

- Hydrophobic (repels water) – floats on water and keeps the absorbed oil in the material.

- Lightweight material – easy to transport, handle and collect.

- Absorbs non-polar substances such as fuels, oils, fats/grease etc and glycol and formic acid



Degree of hazard	Yes	No
Contains hazardous substances		X
Toxic		X
Harmful		X
Corrosive or irritant		X
Other health hazard		X
Environmental hazard	Yes	No
Contains environmentally hazardous substances		X
Air pollutant		X
Water pollutant		X
Other environmental hazard		X
Fire hazard	Yes	No
Flammable	X	
Explosion risk		X
Self-ignition risk		X

## Industries Biosorbe serves



Transport



Petroleum



Spill Response



Marine



Automotive



Agribusiness



Manufacturing

Biosorbe AB

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