



## WHAT IS SPHAG?

The finest grade of sphagnum moss from our bogs in Canada is the starting point for *SPHAG SORB*. The peat fibers are separated from all inorganic hard material, and then activated into a high-grade product with a remarkable ability to absorb and encapsulate oils, solvents, heavy metals, pesticides, herbicides and all other organic chemicals.

*SPHAG SORB* is a natural organic absorbent that can be used in all phases of spill clean ups:

1. The initial response to a spill.
2. The absorption and clean up of spilled liquids.
3. The removal and disposal of the contamination.
4. And the remediation of the contamination with or without hydrocarbon digesting microbes.

*SPHAG SORB* is a super absorbent organic compound that is used to clean up oil, gas, diesel fuel, solvents, paints, glycol and organic chemical spills. Peat is partially fossilized plant matter (*mostly hemicelluloses, cellulose, and lignin*) which is formed in poorly oxygenated wetlands where the rate of accumulation of plant matter is greater than that of decomposition. Peat is a highly porous material with a porosity of approximately 95% and a large specific surface area, which gives it a greater absorption capacity than other common absorbents.

## Versatility

*SPHAG SORB* is an absorbent material with a unique versatility superior to any of the traditional absorbents available on the market today. A single absorbent material capable of absorbing almost every type of liquid from any type of land surface, and effectively removing hydrocarbons from a water surface as well. Being a natural and organic absorbent also provides a wider variety of options for disposal. *SPHAG SORB* is packaged in a variety of bags, containers, pads, socks and spill kits which simplifies preparedness for spill responses. This versatility translates into a simple, safe and complete readiness for reaction to spills with one inventory item.

## **Economical**

The price of the absorbent, the weight of the absorbent, and the amount of liquid that can be absorbed per pound all determine the value of the absorbent. An absorbent's price is part of the equation but often not the most costly part. The volume of waste generated; the shipping costs and disposal costs are all a significant portion of the total clean up cost. *SPHAG SORB* addresses all of these contributing expenses as it will typically absorb 4 times its own weight and generate much lower volumes of waste than competitive products. By using *SPHAG SORB*, the cost associated with spill cleanups is cut three ways:

1. Less absorbent is required.
2. Lower weight and volume saves on shipping.
3. The cost of disposal is reduced because of lower volume.

Additional savings will be realized in the reduced labor and time required because of the fast absorbing characteristics of *SPHAG SORB*.

## **Environmental**

*SPHAG SORB* is produced to specific standards that achieve the highest absorption of liquids while generating the least amount of waste. *SPHAG SORB* is natural, organic, non-toxic, non-leaching, safe and easy to use. The fibrous structure of our product and the fact that the capillaries contain air and moisture, reduces the tendency for soil compaction. This allows air, water and heat to penetrate into the ground speeding up the remediation process. Peat Moss is commonly added to soil as an enhancer in flower and vegetable gardens around the world everyday and is 100% environmentally friendly and a renewable resource.

*(SPHAG SORB is a Cost saving, Versatile, Effective, Easy to use, and Environmentally responsible absorbent)*

### **Earth Care Products**

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