

Peat Sorb™

Technical Data Sheet

MOST EFFECTIVE OIL SPILL CLEAN-UP PRODUCT ON THE MARKET

Description:

Peat Sorb is the world's leading, environmentally friendly oil absorbent product. Grown and processed in Canada, **Peat Sorb** is a modified Sphagnum Peat Moss that has been dehydrated and cured through a proprietary process. **Peat Sorb** absorbs oil and other toxic contaminants on contact and is effective for both land or water.

Unique Characteristics:

Peat Sorb is the world's leading oil absorbent product designed to contain and clean oil / hydrocarbon spills with its unique properties. **Peat Sorb** is a modified, activated peat product with a moisture content of approximately 10%. Our proprietary drying and curing process creates a finished oil spill clean-up product that repels water and absorbs hydrocarbons on contact. **Peat Sorb** is non-leaching, and the hydrocarbons that are absorbed by **Peat Sorb**, are permanently captured until they biodegrade. **Peat Sorb** is effective at absorbing a full range of hydrocarbons including crude oil, refined crude oil products, chemicals, resins, and PCB's. In an oil spill clean-up, once the oil has been absorbed, the oil-laden **Peat Sorb** can be easily disposed and is typically either landfilled or burned as a fuel source. The product is non-toxic, non-hazardous, silica-free and is easy to apply (manually or mechanically). **Peat Sorb** is also lightweight, easy to handle, non-abrasive (will not harm metal equipment), vapor suppressive and cost effective. **Peat Sorb** has been tested in independent laboratories and meets the requirements of the Toxic Characteristic Leaching Procedure, the Paint Filter Test and the Liquid Release Test.



Product Benefits

- 8x more absorbing capacity than clay-derived sorbents
- Fast-acting and effective oil spill clean-up on land or in water
- Easy disposal in landfill (oil will biodegrade) or burned as fuel
- Non-leaching, non-toxic, non-abrasive and cost effective

Physical Properties



Peat Sorb™

FLUIDS ABSORBED	Oils, Acids, Metals, Ethers, Alcohols
COMPOSITION	100% sphagnum peat moss
SOLD AS	1 Bale (PSC8)
UNIT DIMENSIONS	17" x 15" x 26"
VOLUME	3.8 ft ³ (compressed)
WEIGHT	~45 pounds
QUANTITY PER PALLET	30
COLOR	Brown
ODOR	None
ABSORBENCY PER BALE	~1 Barrel of Oil

Availability: By ocean, ships 648 bales (hand-loaded) in 40' high cube container

Shipping: Non-Hazardous for transport. No Phytocertificate required.

Storage: Keep out of direct sunlight. Keep from freezing. Store between 40-120°F. Must seal tightly after opening to prevent moisture contact.

Disposal: Dispose of in accordance with local, state, and federal regulations.

This product is classified and labeled according to the Globally Harmonized System (GHS).

EMERGENCY OVERVIEW:

Due to the harmful nature of the absorbed materials, the applied product is harmful if swallowed and harmful in contact with skin. Protective eyewear and safety gloves recommended when applying product.

SAFETY:

Please make sure you have read and understand the product label and MSDS before using this product. Wash thoroughly after handling. Observe label precautions. Product will take the characteristics of what it absorbs.

**1155 Park Avenue
Emeryville, CA 94608**

(888) 99-NuGen
(888) 996-8436
Fax (707) 891-3012

www.NuGenTec.com
Oilfield@NuGenTec.com



Reactive “Spill Response” Applications:

- Used for environmental encapsulation of oil and other hydrocarbon contaminants:
 - Effective for oil spill remediation on land in all types of ground conditions including sand, dirt, and soil with or without vegetation
 - Effective for oil spill remediation in salt or fresh water

Usage Instructions:

Depending upon the spill size, **Peat Sorb** is either applied manually or mechanically and spread over the contaminated area. Start by using $\frac{1}{3}$ of a cubic meter of **Peat Sorb** for every square meter of contaminated area. Till or mix the **Peat Sorb** and oil in the contaminated soil or spread over water. If the **Peat Sorb** and oil mixture is black, add more **Peat Sorb** to the surface and re-mix until the color turns light brown. On average, one PSC8 bale (3.8 ft³ - compressed) of **Peat Sorb** will remediate and absorb approximately one barrel of crude oil. ***This is about 1lb of Peat Sorb to 1 US gallon of oil.***

Once the oil has been absorbed by **Peat Sorb**, the encapsulated **Peat Sorb** and oil can be disposed of in a landfill. The encapsulated oil will not leach and will biodegrade over time. If desired, the biodegradation process can be accelerated with the application of a nitrogen-derived fertilizer or microbes. Alternatively, once it has absorbed oil, **Peat Sorb** can be burned and used as a fuel source. The product is certifiable incinerable and carries a BTU value of approximately 15,500 BTU per pound with encapsulation.