

SPHAG SORB

Environmentally Safe Industrial Absorbent Products



Sphag Sorb®

Encapsulates hydrocarbons and most organic chemicals on contact

Works on land
or water

Easy-to-use

Safe

Lightweight

More absorbent

Non-Toxic

Non-Leaching

Vapor Suppressive



Sphag-Sorb®

The Solution to Industry's Toughest Cleanup Problems



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

The key to Sphag-Sorb's effectiveness is the **natural capillary and porous structure** of the activated peat. This provides a **powerful wicking action, absorbing hydrocarbons, PCB's and solvents quickly.** But even more important, these

properties allow it to **encapsulate these liquids on contact.** Sphag-Sorb® securely takes in the oil, chemical, or solvent, rather than merely allowing it to temporarily "attach" to the surface of the product, as does clay.

Sphag-Sorb® is **superabsorbent: Less is required for storage and disposal.** Since it is *oleophilic (absorbs oil quickly)* and *hydrophobic (resists taking on water)*, Sphag Sorb® is ideal for a wide range of industrial and specialized uses. **It can absorb on land, on hard surfaces such as asphalt or concrete** and in drums or tanks. On the water it even removes the oil sheen. Sphag-Sorb® removes contaminants from spill sites upon extraction because of its **non-leaching and encapsulating** characteristics.

Clean Up is Easy

No "high-tech" application or equipment is required for a successful cleanup: a **broom or shovel** does the job. Sphag-Sorb® **leaves behind no messy residue** after extraction, offering easy application to both mechanical and manual cleanup. These properties make Sphag Sorb® ideal as a first response tool for emergency containment and cleanup as well as routine use in maintaining a clean and safe working environment for manufacturing plants, warehouses and fabrication or repair shops.

The Most Effective Clean-Up Solution

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Sphagnum peat moss, the only ingredient in all-natural Sphag-Sorb

Sphag Sorb®

Industry's Clean-Up Solution

Sphag Sorb® is an all-natural product manufactured from sphagnum peat moss, originating in the bogs of Canada. A lab-tested, field-proven industrial absorbent, Sphag Sorb outperforms all other types of absorbent materials.

Sphag Sorb solves the toughest clean-up problems with a complete line of environmentally safe, industrial absorbent products. Sphag Sorb meets or exceeds all applicable standards for effective clean-up and disposal of oil, gasoline, fuel, solvents, and nearly every other organic chemical.

Sphag Sorb: one product, one convenient solution for a wide range of clean-up and disposal needs. Sphag Sorb works on land or water. It is economical, efficient and easy-to-use, as well as safe, non-abrasive, non-toxic and non-leaching.

Sphag Sorb is the answer to safe, effective clean-up in an era of environmental sensitivity and increasingly stringent regulations.

Sphag Sorb - Bags



Sphag Sorb Loose Fill 3/4 C.F.

IBS No. SS-3/4

Description: 3/4 cubic foot loose-filled bag

Absorption: from 4 to 5 gallons

Shipping size:

12 bags per case

23" x 12" x 5"

Approx. weight: 84 lbs. per case (7 lbs per bag)

Palletizing: 12 cases / 144 bags



Sphag Sorb Loose Fill 1 C.F.

IBS No. SS-1

Description: One cubic foot loose-filled bag

Absorption: from 5 to 7 gallons

Shipping size:

six per case

24" x 15" x 30"

Approx. weight: 65 lbs./ case (10.8 lbs per bag)

Palletizing: 15 cases / 90 bags



Sphag Sorb Loose Fill 2 C.F.

IBS No. SS-2

Description: Two cubic foot loose-filled bag

Absorption: from 12 to 15 gallons

Shipping size: 32" x 16" x 9"

Approx. weight: 23 lbs. per bag

Palletizing: 40 bags

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What Is It, and How Does It Work?

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

The key to Sphag Sorb's effectiveness is the naturally capillary and porous structure of the activated peat. This provides a powerful wicking action, absorbing hydrocarbons, PCBs and solvents quickly. But even more important, these properties allow it to encapsulate these liquids on contact. Sphag Sorb securely takes in the oil, chemical or solvent, rather than merely allowing it to temporarily "attach" to the surface of the product, as does clay.

Sphag Sorb is superabsorbent: less is required for storage and disposal. Since it is *oleophilic* (absorbs oil quickly) and *hydrophobic* (resists taking on water), Sphag Sorb is ideal for a wide range of industrial and specialized uses. It can absorb on land, on hard surfaces such as asphalt or concrete and in drums or tanks. On the water it even removes the oil sheen. Sphag Sorb removes contaminants from spill sites upon extraction because of its non-leaching and encapsulating characteristics.

Sphag Sorb - Bags

Sphag Sorb Loose Fill 2 C.F.

Enhanced with Natural Occurring Microorganisms to Promote Hydrocarbon Digestion*

IBS No. SS-2ME

Description: Two cubic foot loose-filled bag

Absorption: from 12 to 15 gallons

Shipping size: 32" x 16" x 9"

Approx. weight: 23 lbs. per bag

Palletizing: 40 bags

** These microorganisms are certified non-toxic, non-pathogenic and non-hazardous*



Sphag Sorb - Drums & Pails



Sphag Sorb Loose Fill 3/4 C.F. 5 Gallon Spill Kit with Reusable Lid & Handle

IBS No. SS-5EZ

Description: 3/4 c.f. loose-fill in a 5 gallon plastic pail with lid & handle

Absorption: from 4 to 5 gallons

Shipping size: 12" x 10" x 16"

Palletizing: 96 pails per pallet

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Technical Features

Meets EPA standards for disposal in landfills

Sphag Sorb® does not biodegrade before the substance it encapsulates. In its natural state, Sphag Sorb® is 100 percent biodegradable; but its molecular properties permit it to pass EPA requirements for landfilling both hazardous and non-hazardous wastes.

Sphag Sorb® will not leach; it passes TCLP at ratios much lower than competing absorbents

Due to its porous structure and affinity for hydrocarbons and other organics, Sphag Sorb® is a truly non-leaching and suitable for landfilling where regulations permit.

High BTU value for incineration

Sphag Sorb® is equally compatible with other disposal options. It is ideal for incineration, (when regulations permit) since it is also an energy source with the ability to generate some of the heat required for incineration.

Lower volume of Sphag Sorb® required means lower disposal costs

Reduces flammable vapors by 90%

Sphag Sorb - Pads & Pillows



Sphag Sorb Absorbent Pad

IBS No. SS-PAD

Description: 18" x 18" natural, unbleached knit-cotton pads filled with Sphag Sorb

Absorption: from 1 to 1-1/2 gallons

Shipping size:

30 per case

18.5" x 18.5" x 29"

Approx. weight:

2 lbs. per pad

60 lbs. per case

Palletizing: 12 cases / 360 pads



Sphag Sorb Absorbent Pillow

IBS No. SS-PILLOW

Description: 8" x 18" natural, unbleached knit-cotton pillows filled with Sphag Sorb

Absorption: from 1-1/2 to 2-1/4 gallons

Shipping size:

20 per case

18.5" x 18.5" x 29"

Approx. weight:

3 lbs. per pad

60 lbs. per case

Palletizing: 12 cases / 240 pillows

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How Sphag Sorb® Compares with Other Absorbents

Lower moisture, higher quality makes Sphag Sorb® superior to other absorbents.

Compared with clay, Sphag Sorb® is :

- 10 times more absorbent
- lightweight
- non-leaching
- safe and non-toxic, contains no silica
- more suited for landfilling and incineration

Although more effective than clay, compared with Sphag Sorb® the following absorbents;

- Diatomaceous Earth
- Alumina Silicate
- Corn
- Cellulose
- Polypropylene
- Polymers

Offer lower absorbency, leach at lower ratios and have more limited disposal options.

Sphag Sorb - Socks

Natural, unbleached knit-cotton, socks filled with Sphag Sorb, sealed in a plastic sleeve



Sphag Sorb Sock - 2" x 5'

IBS No. SS-60-2

Absorption: from 3/4 to 1 gallon

Shipping size: 40 per case, 18.5" x 18.5" x 29"

Approx. weight: 60 lbs. per case

Palletizing: 12 cases / 480 socks

Sphag Sorb Sock - 2" x 10'

IBS No. SS-120-2

Absorption: from 1-1/2 to 2 gallons

Shipping size: 20 per case, 18.5" x 18.5" x 29"

Approx. weight: 60 lbs. per case

Palletizing: 12 cases / 240 socks

Sphag Sorb Sock - 4" x 4'

IBS No. SS-48

Absorption: from 1-3/4 to 2-1/3 gallons

Shipping size: 20 per case, 20.5" x 24.5" x 30.5"

Approx. weight: 70 lbs. per case

Palletizing: 12 cases / 240 socks



Sphag Sorb Sock - 4" x 8'

IBS No. SS-96

Absorption: from 3-1/2 to 4-2/3 gallon

Shipping size: 10 per case, 20.5" x 24.5" x 30.5"

Approx. weight: 70 lbs. per case

Palletizing: 12 cases / 120 socks

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Sphag Sorb® Absorption

- **Triple Screened, high-grade sphagnum peat moss** containing less than 1/2 of 1% of inert materials.
- **Dehydration process results in a high capillary structure** that promotes rapid wicking and quick clean up
- **Exceeds Maximum Toxicity Characteristic Leachate Procedure (TCLP)** for environmental safety and easy disposal.
- **Sphag Sorb is superabsorbent. 10 times** as effective as clay and **6 times** as effective as diatomaceous earth or alumina silicate-based absorbents.
- **Less Product** means easier clean-up, disposal and storage.
- **Does not leach after absorption.** Sphag Sorb® eliminates secondary clean up and disposal problems.

Sphag Sorb - Spill Kits



Sphag Sorb 10 Gallon Tote Spill Kit

IBS No. SS-ST10

Description: water-resistant nylon tote bag containing a spill response kit which includes:
2 - 18" x 18" Pads
2 - 2" x 5' Socks
1 - 8 quart Loose-Filled Bag
2 - Disposal bags

Absorption: from 5 to 7 gallons

Shipping size: 26" x 14" x 5"

Approx. weight: 10 lbs. per kit

Palletizing: 42 per pallet



Sphag Sorb 15 Gallon Tote Spill Kit

IBS No. SS-ST15

Description: water-resistant nylon tote bag containing a spill response kit which includes:
4 - Pads

2 - 2" x 5' Socks

1 - 3/4 cu. ft Loose-Filled Bag

2 - Disposal Bags

Absorption: from 9 to 13 gallons

Shipping size: 24" x 10" x 10"

Approx. weight: 20 lbs. per kit

Palletizing: 42 per pallet

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Sphag Sorb® Absorption Recommendations

Recommended usage:

Use approximately 1.5 pounds of Sphag Sorb® per gallon for quick absorption of lighter weight cutting oils such as hydraulic fluid, cutting oils, or transmission fluid. Gasoline or a 30-weight motor oil require approximately 2 pounds per gallon. Heavy oil products, such as Bunker C Fuel Oil, may require 3 pounds per gallon or more. These estimates are based on subjective but conservative estimates of effective cleanup to the point that no free liquids remain.

Where immediate pickup is not required, Sphag Sorb can be used in ratios lower than these recommendations for exceptional economy and efficiency. Sphag Sorb® will contain the spill while its remarkable wicking action will continue over time, to absorb the remaining liquid until saturated.

Depending upon your requirements and the liquids you need to absorb, you may find either more or less Sphag Sorb® is required for effective clean-up in your particular application.

Sphag Sorb - Spill Kits



Sphag Sorb 14 Gallon Drum Spill Kit

IBS No. SS-14SRK

Description: 14 gallon UN/DOT-approved drum containing a spill response kit which includes:

- 2 - 2" x 5' Socks
- 2 - 2" x 10' Socks
- 2 - 3/4 cu ft Loose-Filled Bags

Absorption: from 12 to 15 gallons

Shipping size: 15' x 15" x 27"

Approx. weight: 25 lbs. per kit

Palletizing: 27 per pallet



Sphag Sorb 25 Gallon Drum Spill Kit

IBS No. SS-25SRK

Description: 25 gallon UN/DOT-approved drum containing a spill response kit which includes:

- 5 - 18" x 18" Pads
- 2 - 18" x 18" Pillows
- 2 - 4" x 4' Socks
- 1 - 4" x 8' Sock
- 1 - 3/4 cu ft Loose-Filled Bag
- 2 - Tyvek Suits
- 2 - Pairs Nitrile Gloves
- 1 - Pair of Safety Goggles
- 3 - Waste Disposal Bags

Absorption: from 18 to 26 gallons

Shipping size: 21" x 21" x 26"

Approx. weight: 50 lbs. per kit

Palletizing: 12 per pallet

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Sphag Sorb® is Versatile

This list includes some of the common hydrocarbons and industrial chemicals that can be effectively absorbed by Sphag Sorb:

Acetone	Jet Fuels
Acetone Cyanohydrin	Kerosene
Acetonitrile	Methanol
Acrolein	Methylene Chloride
Allyl Chloride	Methyl EthylKetone
Amyl Acetate	Methyl Methacrylate
Benzene	Methyl Phenol
Bromodichloromethane	Motor Oils
Bromoform	Napthalene
Bunker C Fuel Oil	2 Nitoaniline
Butanol	Nitrobenzene
2-Butanone	Oil Base Paint
Butyl Acetate	Oil Base Ink
Butyric Acid	Paraffin Oil
Canola Oil	Pentane
Carbon Disulfide	Pentachlorophenol
Carbon Tetrachloride	Petroleum Ether
Chloroform	Phenol
Chloromethane	Propanol (48% in Acetone)
Chlorobenzene	Pyridine
Corn Oil	Silicone Oil (100 cs)
Cresol	Styrene
Cutting Oils	Tetrachloroethane
Cyclohexane	Tetrachlorotethylene
Dichlorobenzene	Tetrahydrofuran
1,2 Dichloroethene	Toluene
1-1 Dichloroethylene	Trichloroethylene
Dichloromethane	Trichlorophenol
Diesel Fuels	Triethylamine
2-4 Dinotrotoluene	Varsol
Ethanol	Vinyl Acetate
Ethyl Benzene	Vinyl Chloride
Ethyl Ether	Xylenes
Ethylene Glycol	
Gasoline	Most organic solvents
Heptane	
Hexane	
Hexachlorobenzene	Most acids and bases
Hexachlorobutadiene	
Hexachloroethane	
Hexene (97%)	
Isobutanol	
Isoprene	
Isopropanol	

Sphag Sorb - Spill Kits



Sphag Sorb 55 Gallon Drum Spill Kit

IBS No. SS-55SRK

Description: 55 gallon UN/DOT-approved drum containing a spill response kit which includes:

- 10 - 18" x 18" Pads
- 5 - 18" x 18" Pillows
- 2 - 4" x 4' Socks
- 2 - 4" x 8' Socks
- 3 - 3/4-cu ft Loose-Filled Bags
- 3 - Tyvek suits
- 3 - Pairs Nitrile Gloves
- 3 - Pairs Safety Goggles
- 5 - Disposal bags

Absorption: from 39 to 54 gallons

Shipping size: 24" x 24" x 38"

Approx. weight: 90 lbs. per kit

Palletizing: 8 per pallet

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