



THE
ARK
ENTERPRISES INC.

Protecting...
the environment
one spill at a time



Protecting the environment is not option. It is duty that we have to future generations and we must execute that duty with responsible, environmentally friendly products.

How Clean?

Animal Friendly Clean ..

Can your oil absorbents protect wildlife while cleaning up oil spills?



P.O.L. Sorb:

- ◆ Meets EPA & OSHA & ANSI standards
- ◆ Is excellent for spill response and bioremediation
- ◆ Will not leach: passes TCLP test
- ◆ Offers High BTU value for incineration
- ◆ Safely cleans oil from any surface
- ◆ Leaves no oily sheen or residue
- ◆ Saves time and money
- ◆ Reduces waste
- ◆ Requires an average of One Pound per Gallon!
- ◆ Saves time, money and labor before, during and after spills!

With P.O.L Sorb You Will:
Use Less Product
Absorb More Liquids
Dispose Of Less Product
Save Time
Save Money
Save Labor and
PROTECT THE ENVIRONMENT
because you are using
ENVIRONMENTALLY RESPONSIBLE PRODUCTS



P.O.L. Sorb- is ideal for:

Maintenance areas Parking Areas Refueling Areas HM/HW Storage & Collection Points HazMat Pharmacies Contingency or Deployment Operations Bioremediation Water Filtration Waterways. Peat Over Sand Sewage Filtration Industrial Wastewater Treatment Plants Vehicle Repair Shops Ports/Marinas. Open Sea Oil Spill/Shoreline Cleanup UST Removal Sites

Loose Fill

Environmentally friendly alternative to clay; *up to 14 times more absorbent**. * Uses only One Pound Per Gallon!

- * Eliminates secondary contamination, does not release liquids absorbed
- * Cost effective solution to oil spills works at a ratio of one pound per gallon: Reduces waste
- * Absorbs oil even on water - floats for long periods of time for easier removal
- * Works in all kinds of weather and on any terrain



Pillows

- * Contains P.O.L. Sorb high grade peat moss
- * Special skins that are durable, tough, & absorbent
- * Have three compartments for even distribution and heat sealed to eliminate leakage
- * For use under leaky vehicles or machinery - are not affected by weather or terrain
- * Available as pillow in a pan.



P.O.L. Sorb Pads are the product of choice for POL spills under vehicles and fueling connectors.

Socks and Booms

- * Contains P.O.L. Sorb high grade peat moss
- * Maximum strength and long term durability - much stronger than other products
- * Not only contain spills, but clean up as well
- * Booms designed for use on water with extra strength clamps



P.O.L. Sorb socks and booms are excellent for spill containment, or can be placed around machinery that leaks oils or fluids for easy clean up and disposal. P.O.L. Sorb booms are excellent for around ships in port for preventative measures and for containment purposes.

Spill Kits

Part #11015

Nylon tote spill response kit

- 4 - 18x18 pillows
- 2 - 2x5 socks
- 1 - 3/4 cu. ft. bag of P.O.L. Sorb
- 2 - waste disposal bags



Part #11025

25 gallon drum spill response kit

- 7 - 18x18 pillows
- 1 - 4x8 sock
- 2 - 4x4 socks
- 1 - 3/4 cu. ft. bags of P.O.L. Sorb
- 2 - Protective suits
- 2 - pr. Nitrile gloves
- 2 - pr. Safety goggles
- 3 - waste disposal bags



Part #11055

55 gallon drum spill response kit

- 15 - 18x18 pillows
- 2 - 4x8 socks
- 2 - 4x4 socks
- 3 - 3/4 cu. ft. bags of P.O.L. Sorb
- 3 - Protective suits
- 3 - pr. Nitrile gloves
- 3 - prs. Safety goggles
- 5 - waste disposal bags



Part #11056

55 gallon drum marine spill response kit

- 10 - 18x18 pillows
- 5 - 2x10 socks
- 5 - 3/4 cu. ft. bag of P.O.L. Sorb
- 1 - full size retractable shovel
- 1 - 3.5 gallon bucket
- 2 - Protective Suits
- 2 - pr. Nitrile gloves
- 2 - pr. Safety goggles
- 1 - 2 quart Emulsifier
- 5 - waste disposal bags
- 1 - Emergency Response guidebook



Environment

Environmental issues continue to be a major concern for DoD installations. Compliance with SPCC (Spill Prevention Control and Countermeasures) plans, OWS (Oil/Water Separator) systems, and initiatives to clean up DoD installations due to past waste disposal practices can now be addressed by using P.O.L. Sorb Products available in the Federal Supply System (GSA and DoD).

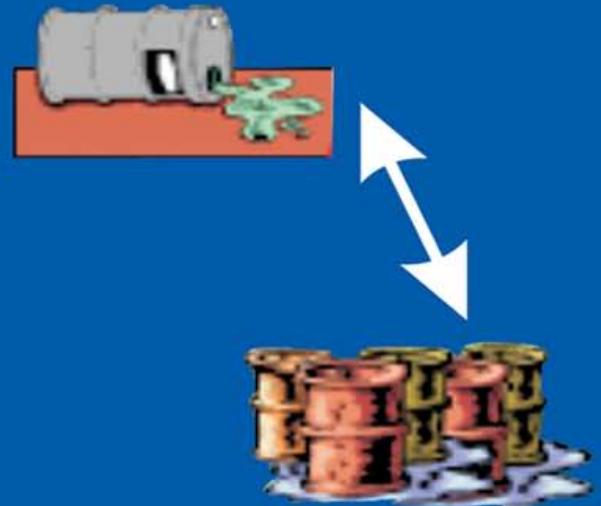
As a spill response product, peat absorbents excels over other synthetic absorbents. It "wicks" up hydrocarbons and encapsulates them, protecting the environment and the spill responders. Numerous Government agencies currently use P.O.L. Sorb Spill Kits on vehicles, ships, emergency trucks, and throughout military bases. P.O.L. Sorb Spill Kits have been the product of choice for use in and around refueling stations, maintenance facilities, HW/HM storage areas, and in areas where spills occur.

Save up to 90%

P.O.L. Sorb peat moss absorbant are extremely effective in absorbing oils and hydrocarbons; while offering savings in areas of inventory management, labor and waste disposal costs. Waste disposal costs account for a large part of environmental management budgets; however these costs are either averaged or guessed. P.O.L. Sorb products have proven to significantly lower waste disposal costs, freeing up funding for other requirements. The chart is a depiction of how using P.O.L. Sorb in every day spill clean ups can reduce your overall costs without even factoring in logistical savings. (*disposal costs for incineration)

How Cheap is Clay?

You started out with one barrel but now you have generated



**FIVE barrels of
HAZARDOUS WASTE!**



3½ bags (55 lbs) of P.O.L. Sorb are required to clean up spill.
 3½ bags @ \$23 = \$ 80.50
 3½ bags of used P.O.L. Sorb fill only
 1.2 55 gallon drums
 1.2 drums of used P.O.L. Sorb @ \$95* per drum (incineration) = 114.00 .00



19¼ bags (770 lbs lbs) of Clay are required to clean up spill.
 19.25 bags @ \$4 = \$77.00
 19¼ bags of used Clay fills five 55 gallon drums
 5 drums of used Clay @\$500 per drum(incineration) = \$2500.00
Total Cost using Clay = \$2577.00



Why spend more than ten times the price with heavy Clay?

Are you worried about EPA Violations?

Be in compliance by using P.O.L. Sorb, an environmentally friendly absorbent that when used to pick up certain hydrocarbons, meets the 3 criteria for sanitary landfill disposal.*Maximum per day penalty is \$25,000 for failing the "free standing liquids" test per Federal Register Section 264.314(d) Disposal costs are drastically reduced when using P.O.L. Sorb in areas that require hazardous waste handling of used sorbents! *EPA Publication SW-846, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," contains the analytical and test methods that EPA has evaluated and found to be among those acceptable for testing under subtitle C of the Resource Conservation and Recovery Act (RCRA) Sections 264.190(a), 264.314(c), 265.190(a), and 265.314(d)-Evaluation of a waste to determine if free liquid is a component of the waste; Section 268.32(i)-Evaluation of a waste to determine if it is a liquid for purposes of certain land disposal prohibitions; Section 268.7(a)-Leaching procedure for evaluation of a waste to determine if the waste is restricted from land disposal.
 (NOTE: Please check with your local, state and federal regulations regarding your requirements for proper waste disposal)

Who Uses POL Sorb?

- Army Dept of Immigration
- Navy DOE Facilities
- Air Force EPA
- Marine Corps NOAA
- Coast Guard Corps of Engineers
- National Guard Fire Departments
- Oil Companies Trucking Companies
- Oil Refiners & Suppliers
- Transportation Companies
- Manufacturing Companies
- Emergency Response Companies
- Heavy Equipment Repair Facilities
- DOT & Transportation Departments
- Municipality Public Works Departments

AVAILABLE PRODUCTS

PEAT MOSS LOOSE PARTICULATE

- 21210**
3/4 cubic foot bag - 4/case
- 21215**
1 cubic foot bag - 4/case
- 21220**
2 cubic foot bag - 4/case OR 50 per pallet
- 21270**
55 gallon drum w/8 cu.ft. of loose peat moss & scoop

PEAT MOSS PADS, SOCKS, & BOOMS

- 21300**
10"x12"x3" drip pans - 40 pillows/20 pans per case
- 21400**
18"x18"x3" pillows - 30/case
- 21455**
2" x 10' sock - 20/case
- 21460**
4" x 4' sock - 20/case
- 21465**
4" x 8' sock - 10/case
- 21468**
8" x 10' boom - 4/case
- 21470**
10" x 10' boom, w/ropes & clips- 3/case

PEAT MOSS SPILL RESPONSE KITS

- 11015**
Water resistant nylon tote bag spill response kit
- 11025**
25 gallon drum spill response kit
- 11055**
55 gallon drum spill response kit
- 11056**
55 gallon drum marine spill response kit

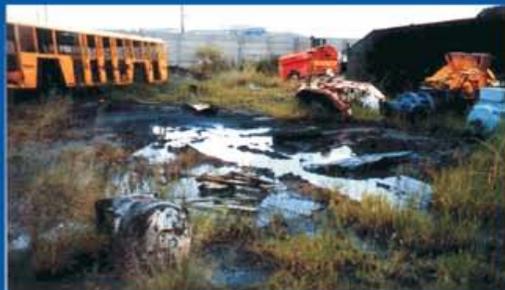


Does your facility have petroleum contaminated soils? Have you been involved in UST removals? Are they becoming very costly to clean up? Do you have areas that are unusable due to previous operations?

If you answered **yes** to any of these, you may be interested in the new in-situ technology that can save the U.S. government millions of dollars and speed up substantially the turn-around time on soil remediation projects.

Use of P.O.L. Sorb serves to create an on-site remediation system to provide a cost-effective solution to digest hydrocarbon contaminants from the soil. The P.O.L. Sorb technology dramatically reduces time, energies and costs involved in in-situ remediation (when compared to currently used methods) Saves up to 65% in actual costs Complete remediation in as few as 90 days Requires less: labor, heavy equipment and machinery.

This cost effectiveness increases the affordability to remediate an entire site, not just a portion of it. Does not require construction or additions to the site that are unsightly or become part of the project for years to come.



BEFORE



AFTER

BIOREMEDIATION

A NEW approach towards Accelerated natural attenuation utilizing organics

Soils contaminated with hydrocarbons is one of the major problems facing companies and government agencies today. Costs for cleanup are high and going higher. Results are slow, sometimes years are needed to see if the investment in time and money will correct the problem. Liabilities are great. EPA, homeowners and environmental groups are all watching for opportunities to expose any problems they suspect.



Why P.O.L.

Sorb® technology?

P.O.L. Sorb® is a special grade of sphagnum peat moss that can draw the hydrocarbons from the soil. It inhibits compaction of the soil, allowing the hydrocarbon to breakdown naturally while preventing it from spreading. The elements needed to break-down hydrocarbons are more stable and safe when using P.O.L. Sorb®. Additionally, this technology not only draws the hydrocarbons from the soil, it can actually reverse the plume of traveling hydrocarbons.

P.O.L. Sorb® is cost effective, easy to use, environmentally friendly and safe for plants and animals. When land is prepared with our special blend of P.O.L. Sorb® and water we accelerate the natural process that remediates contaminated soil, similar to natural attenuation. However, although a simple process, this technology uses natural components to effectively remove hydrocarbons in a shorter period of time. In addition, this technology can be adjusted to a land-farming method that will complete the remediation even faster.

The ARK Enterprises, Inc.

A W.B.E. HubZone Manufacturing Company
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Post Office Box 725 Peculiar, Missouri 64078, (816)
779-5741 fax: (816) 758-4127
Toll Free: (800) 872-5741 Fax: (800) 473-5741,

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Distributed by:

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Protecting the environment is not option: it is a duty that we have to future generations and we must execute that duty with responsible, environmentally friendly products.



P.O.L. SORB

Environmentally Preferred Absorbent Products

P.O.L. Sorb® is the BEST "activated" peat moss for hydrocarbon based spills! Absorbs at a rate of One pound of product per Gallon of Oil (not like other absorbents that require one pound per pound of oil... oil weighs approximately eight pounds) The choice of US Government agencies throughout the world!



Material Safety Data Sheet

(Activated Blonde Sphagnum Peat Moss)

Section 1: Manufacturer Information

Manufactured by: The ARK Enterprises, Inc..
Address: PO Box 725 Peculiar, Missouri 64078

Prepared: June 10, 2003
Phone: (816) 779-5741

Toll Free: (800) 872-5741

Section 2: Physical Data

Appearance & Odor: Brown, fibrous, has earthy odor.
Van-Post Scale: 1-3 (<20% 3)
Solubility in H2O: Not soluble, loose
Vapor Pressure & Vapor Density: N/A
Skins: Used in production of pillows and booms:
Appearance & Odor: Beige fabric
Solubility in H2O: Not soluble
Vapor Pressure & Vapor Density: N/A

Boiling/Melting Point: N/A
Moisture Content: 10-12%
pH: 3.5-5.5
Evaporation Rate: N/A
HValue: <2.5%
Standard: STPMI
Tanwick non-biodegradable textiles (proprietary textile)
Boiling/Melting Point: N/A
pH: N/A
Evaporation Rate: N/A

Section 3: Hazardous Rating

Hazardous Components: OSHA PEL - - ACGIH.TLV - - **Other Components:** Peat: Respirable particulate (dust)
Nuisance Particulate (peat) 10 mg/m3

Chemical Name	CAS No.	%				
Natural Peat	N/A	>99%				
Humin & Humic Acid		<.5%				
Proprietary		<.5%				
Water	7732-18-5	10-12%				
Peat NFPA/HMIS:	Health 0	Reactivity 0	Fire 1	Specific Hazard 0		
Peat Moss™ NFPA/HMIS:	Health 0	Reactivity 0	Fire 1	Specific Hazard 0		

Section 4: Fire & Explosion Hazard Data (Peat & Peat Moss™)

Flash Point & Method Used: 40 CFR 261.22 **Lower Flammable Limits in Air % by volume:** N/A

Auto Ignition Temperature: 500°F 260°C **Auto Extinguishing Method:** Any

Special Fire Fighting Procedures: Standard Fire: Caution, burning may continue inside bag after surface fire is out. Break bag to separate pile to assure that the fire is extinguished. The thermal decomposition products are those commonly observed with natural products such as wood or vegetable matter. Dry POLsorb may wick petroleum-based products to an open flame.

Section 5: Reactivity Data (Peat & Peat Moss™)

Stability: Stable **Conditions & Materials to Avoid:** None Known

Hazardous Polymerization: N/A **Conditions to Avoid:** None Known

Hazardous Decomposition or Byproducts: Thermal decomposition releases CO, CO2, Hydrocarbons

Section 6: Peat Health Hazard Data (applies to unused product)

Inhalation: May cause slight irritation with very high concentrations.

Ingestion: No known hazard **Eyes:** Dust particles may cause minor eye irritation

Skin: No known hazard **Toxic data:** Established as non-toxic

Emergency & First Aid Procedures: If inhaled, provide fresh air. If eye irritation occurs, flush with water. Keep open wounds covered and clean. Wash with soap and water. **NOTICE TO PHYSICIAN:** Symptomatic treatment

Section 7: Personal Protection Information

Ventilation: Adequate ventilation should be available to keep dust concentrations below exposure limits.

Respiratory Protection: A NIOSH or MSHA approved respirator should be worn when dust standards are exceeded.

Skin Protection: Protective clothing is not necessary, but may be required to handle absorbed hydrocarbons.

Eye Protection: Safety glasses with side shields are recommended.

Other Protective Clothing or Equipment: Normal work clothing.

Work Hygienic Practices: Open wounds should be kept clean and suitably protected.

Other: Washing facilities should be available.

Section 8: Spill or Leak Procedures

Emergency Action: Sweep up and containerize if unused.

Steps to be taken in case material is released or spilled: Use methods to clean spill which avoid creating airborne dust. Remove for disposal or incorporation into soil or garden.

Waste Disposal Method: According to EPA 40 CFR 261.3, waste in accordance with federal, state and local regulations.

Section 9: Supplemental Information

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