

WhitZorb® ABSORBENT FOR HYDROCARBONS

What it is: Whitmore's WhitZorb® is much more than a mere absorbent for spilled oil and grease. It is also a bioremediation agent. It is derived from wood waste and contains microbiological cultures that degrade or detoxify environmental contaminants that are hazardous to health or the environment. These are converted into less toxic forms.

Hydration: WhitZorb® is a dehydrated product that must be hydrated with an equal amount of water for maximum effectiveness to bioremediate hydrocarbons. Hydration can be accomplished with fresh or sea water. WhitZorb® expands to three times the original volume with fresh water and 1.5 times with salt water.

Oil / Grease spills: For spills on hard surfaces, the product can be applied and then folded over using a brush or shovel until the spill has been fully absorbed. The application rate is 5 to 9 pounds per gallon of hydrocarbon. Surface stains can often be removed by rubbing the surface with hydrated WhitZorb®.

Gasoline: Fuel spills are rendered considerably less hazardous as WhitZorb® absorbs the fluid and also contains the fumes.

Oil-Contaminated soil: In the case of oil-contaminated soil, sand or rocks, spread in hydrated WhitZorb® by hand, or using power equipment. It will absorb approximately 80% of the oil in the first 2 hours, with continued bioremediation of the hydrocarbons thereafter.

For in-situ applications, the hydrated WhitZorb® can be placed on the contaminated soil. Tilling or mixing is not required in most cases. Fifty pounds of WhitZorb® is recommended per cubic yard of soil. Special nutrient supplements are sometimes helpful in bioremediation of contaminated soil. Contact Whitmore's Technical Service Department for project-specific dosing recommendations.

Efficiency /Economy: Compared to polymer-based absorbents, WhitZorb® is significantly faster in absorption, requires about 80% less product for the same size spill, and does not create a paste when cleaning up the spill. Compared to clay-type absorbents, WhitZorb® requires 50% to 75% less product. WhitZorb® can be re-used until it is fully saturated. However, the bioremediation benefits significantly decrease with re-use and the product is unable to fully bioremediate if over-saturated. Also, if the product is reused, the speed of absorbency decreases.

Storage: WhitZorb® should be stored indoors, out of direct sunlight. Shelf life under these conditions is 5 years.

Disposal: Place the spent product in an approved, labeled container in accordance with applicable regulations. Depending on the compound(s) absorbed, spent WhitZorb® may be disposed of in a landfill or it may be land farmed or incinerated. (Heat value is 8400 Btu/pound and ash content 0.35%). There is no extraction process required for WhitZorb® that has been tilled into contaminated soil.

Absorbs and Remediates	
Petroleum Hydrocarbons	Motor Oil, Gasoline, Diesel Fuel, Gear Oil, Crude Oil, Kerosene, Fuel Oil, Jet Fuel
Petroleum Based Solvents/Cleaners	Paint Thinner, Mineral Spirits, Acetone
Sump Sediment	Service Garages, Car Washes, Municipal Manholes, Landfills
Heavy Metals	Lead, Pb – Laboratory Confirmed Other metals may be absorbed, no laboratory data to confirm
Human and Animal Bodily Fluids	Blood, Urine, Fecal Waste

Maximum storage temperature, °F (°C)	200 (94)
Minimum storage temperature	N/A
Optimum storage temperature, °F (°C)	32 to 100 (0 to 38)
Optimum pH range	5.5 to 9.0
Specific Gravity	2.25
Density, lbs/gallon	18.777
Density, lbs/cubic foot	140.463
Flammability	Non-flammable by DOT regulations (49 CFR 173.124)

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

75 – 25 lb bags	Super Sack – approximately 2,000 lbs
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For warranty information, scan the QR code.
You can also email us at sales@whitmores.com
Or write to the Sales Department at the address below.

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