
Chemical Spill Absorbent Solutions Review

White Paper

CN Railroad

Nature's Broom

04-07-2008



- ❖ Public Health Concerns
- ❖ Containment of the spill
- ❖ Cleaning up the site according to federal, state and local regulations



ENVIRONMENTAL IMPACT

- ❖ Air-born Contamination caused by the spill
- ❖ Water Contamination
- ❖ Surface Contamination



SECONDARY IMPACT



- ❖ Large amounts of clay products are required to absorb the spills
- ❖ More landfill space is required to dispose of clay products
- ❖ Health hazards caused by silica dust resulting from mining & the application of the clay absorbents
- ❖ Synthetic pads used to absorb spills are difficult to dispose of & have a higher cost associated with that disposal



- ❖ Types of Clay Products – Fuller's Earth, diatomaceous earth, etc...
- ❖ Synthetic Pads
- ❖ Bio-Mass Products



COMPARATIVE EVALUATION RESEARCH SUPPORT



❖ Stan Galicki, PH D Millsaps College



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❖ Sustainability – Nature’s broom uses Agricultural and forestry by-products in the ingredients of this product as its absorbent

❖ “Cradle to Cradle” Design – Nature’s Broom utilize those natural by-products to produce it’s absorb and after use of the product it can be used as a bio-fuel



- ❖ Source reduction – Nature’s Broom uses recycled ingredients in manufacturing of its absorbent
- ❖ Innovation – Nature’s Broom has been tested as a Bio-preferred absorbent by USDA, bio-based products are made from renewable plant sources and are generally safer for the environment than petroleum based counterparts (i.e. clay, synthetics pads)
- ❖ Viability – Nature’s Broom is made from recycled bio-based products and is 4 ½ times more absorbent than clay. Nature’s Broom can then be recycled again and used as a fuel source. Nature’s Broom is more economical than clay because it has a lower cost per application.



SUMMARY



These unique traits make Nature's Broom absorbent one of the most economical and environmentally responsible products on the market today.

