



 **host**<sup>®</sup>  
**GREEN, CLEAN & DRY**<sup>™</sup>

**The Environmentally Preferred Carpet Cleaning System  
That Really Works**

 **host**<sup>®</sup> The Dry Extraction  
Carpet Cleaning System

*It's In  
Our  
Nature...*



The HOST® Dry Extraction Carpet Cleaning System is a proven method for achieving clean and dry carpet that looks its best every day. But did you know that using HOST can contribute to a cleaner environment both inside and outside your facility? In fact, no other carpet cleaning product has the variety of independent certification and research that HOST Dry Carpet Cleaner has.

This summary of independent research and certifications shows that HOST is environmentally preferred and the best choice for green, clean and dry carpet that looks its best every day.



## HOST® IS GREEN SEAL® CERTIFIED

The Green Seal is awarded to products that meet the standards of performance, safety and reliability. Because HOST Dry Carpet Cleaner achieved the Green Seal Certification, you can be sure that it will promote a cleaner, healthier environment, cause less toxic pollution, reduce waste and conserve resources and habitats.

### What does Green Seal Certified mean?

Green Seal Certification means that a product or service has been tested according to science-based environmental leadership standards, that it works as well or better than others in its class, and that it has been evaluated without bias or conflict of interest. This gives manufacturers the assurance to back up their claims, and purchasers confidence that certified products are better for human health and the environment.

To earn the coveted Green Seal, a product must meet the Green Seal environmental standard for the category as demonstrated by rigorous evaluation, testing and a plant visit.

By identifying, certifying, and promoting environmentally responsible products and services, Green Seal:

- Improves the environment by reducing toxic pollution and waste, conserving resources and habitats, and minimizing global warming and ozone depletion
- Increases health and well-being, particularly in populations most affected by product choice, such as schoolchildren, service staff, and the elderly
- Demonstrates to various business segments that environmentally responsible products can improve quality and boost profitability

### More specifically, HOST Dry Carpet Cleaner has been shown by Green Seal to:

- Have low VOCs
- Pass performance testing
- Be nontoxic
- Contain no carcinogens
- Contain no reproductive toxins
- Be nonirritating to skin or eyes
- Be nonsensitizing to skin
- Not be combustible
- Contain readily biodegradable organic ingredients
- Contain no optical brighteners
- Contain no ozone-depleting compounds
- Contain no heavy metals
- Not cause eutrophication (proliferation of plant life, especially algae, in part due to high phosphorous levels, which reduces the dissolved oxygen content and often causes the extinction of other organisms)
- Have responsible packaging
- Provide excellent training

\*This product meets Green Seal's environmental standard for industrial and institutional cleaners based on its reduced human and aquatic toxicity and reduced smog production potential.



# HOST'S ENVIRONMENTAL BENEFITS

No other carpet cleaning method can compare.



## BIOPREFERRED CERTIFIED



HOST Dry Carpet Cleaner requires no special disposal and can be composted. And, HOST is the first dry carpet cleaner to receive USDA BioPreferred™ Certification via ASTM test method D6866-05.

USDA BioPreferred products are composed in whole or in part of biological products or renewable domestic agricultural materials, including plant, animal, or marine materials. Made from renewable resources, BioPreferred products are generally safer for the environment than their petroleum counterparts and are usually biodegradable or recyclable.

## WOOLSAFE CERTIFIED



The WoolSafe Organization is an international certifying body focused on carpet cleaning and maintenance products for wool and wool blend carpets. Its purpose is to indicate that products have been tested and approved as being suitable for these carpets. Products are tested on a range of characteristics in two categories, defensive tests and performance tests. WoolSafe Approved means that the product is effective, has low resoiling characteristics, is low in alkalinity, has no bleaching agents, no optical brighteners, is nonflammable, nonhazardous, environmentally responsible and has clear and concise use directions.

## ENVIRONMENTALLY PREFERABLE PURCHASING (EPP)



HOST meets Environmental Protection Agency (EPA) recommendations for Environmentally Preferable Purchasing. EPP is a process for selecting “products or services that have a lesser or reduced effect on human health and the environment when compared with competing products or services that serve the same purpose” (Executive Order 12873).

The environmental attributes selected by the EPA as criteria for their EPP guidelines mirror those used by Green Seal in regards to potentially harmful chemicals, low VOC content, flammability, training, packaging and biodegradability.

Additional criteria for choosing environmentally preferable products include:

- Use of renewable resources – HOST is biobased
- Designed for use in cold water in order to conserve energy – HOST not only conserves the energy to heat water, it conserves the water!
- Limited use of disinfectants – HOST is not a disinfectant, although it does carry EPA-registered removal properties (see below)
- Corporate environmental performance – HOST’s environmental scores are the best in our category as shown by the National Institute of Standards and Technology’s (NIST) Building for Environmental and Economic Sustainability (BEES) Life Cycle Analysis. We intend to keep it that way.

### DID YOU KNOW?

Products or equipment that advertise they remove dust mites and mold from the environment are under the jurisdiction of the EPA and must be made in an EPA registered facility.

*HOST Machines are manufactured in an EPA registered facility, EPA Establishment Number 074202-WI-001.*

## INDOOR ENVIRONMENTAL QUALITY

The HOST System of applying HOST Dry Carpet Cleaner to the carpet, brushing it through the carpet and then vacuuming up the HOST Dry Carpet Cleaner removes dirt and reduces allergens. Research studies have shown that one cleaning with the HOST System using HOST Machines reduces:

- Dust mites by 78%
- Cat allergen by 85%
- Dust mite allergen by 75%
- Mold spores by 85%

More recent tests with the HOST Liberator® & Freestyle® machines show improved allergen extraction:

- Dust mite allergen by 89%
- Mold spores by 97%

## Preventing Mold & Mildew Growth

The HOST System uses less than one teaspoon of liquid per square foot, so unlike wet cleaning methods, HOST does not leave carpets wet with dirty wastewater that can lead to mold growth and cause health problems. In fact, HOST helps remove mold and mildew from carpets.

## CONSERVATION OF RESOURCES

### Water

This point is often overlooked: water extractors use large amounts of water. Further, they generate large amounts of wastewater which burdens sewers and water treatment facilities. Also, wastewater left in the carpet evaporates, humidifying buildings and forcing air conditioners and dehumidifiers to run harder and longer.

Using HOST saves water. In fact, the HOST System deep cleans carpet with 97% less water than typical high-flow water extractors. However, as HOST Dry Carpet Cleaner is ready-to-use, the actual water savings in any building using it is 100%.

Compared to a year's worth of typical high-flow water extraction cleaning of 50,000 square feet of carpet, the HOST System:

- Saves 205,716 gallons of fresh water per year
- Reduces waste water by 174,859 gallons per year
- Reduces water affecting indoor humidity by 30,857 gallons per year, relieving the workload on HVAC systems and reducing mold growth potential

**HOST saves 205,716 gallons (823 tons) of water per year.**

That's enough water to:

- Fill 4,114 standard bathtubs
- Sustain 902 people for a year
- Flush a 1.6 gallon toilet 128,573 times

### Energy

Many environmental organizations recognize that it takes quite a bit of energy to heat water used in water extraction cleaning methods. In an effort to lower costs and energy use, such organizations are supporting cleaning systems that do not use water. With HOST there is:

- No water to heat
- No need for air conditioners to dry carpets
- No need to use blowers
- No need for dehumidifiers to remove moisture

## HEALTH & SAFETY

In accordance with Consumer Products Safety Commission and Federal Hazardous Substances Act regulations, HOST is not an eye irritant nor a primary skin irritant and is nontoxic by oral ingestion or by inhalation. HOST is not a WHMIS Control Product. HOST contains no dyes, contains no heavy metals, does not become airborne and has low VOCs. HOST Dry Carpet Cleaner's Hazardous Materials Information System (HMIS) rating is: Health = 0; Flammability = 0; Reactivity = 0; Personal Protection = none required.

## LEED®-EB POINTS

The US Green Building Council's LEED (Leadership in Energy & Environmental Design) Green Building Rating System® "is a voluntary, consensus-based, national standard for developing high-performance, sustainable buildings."



Using the HOST System may contribute to earning:

- Energy and Atmosphere credits (up to 2 credits) by optimizing energy performance and by sustaining building operations and maintenance through proper staff education.
- Materials and Resources credits (up to 4 credits) by optimizing the use of IAQ compliant products and by implementing the use of sustainable cleaning products and materials.
- Water Efficiency credits (up to 3 credits) by reducing total water use by 10% or 20% and by reducing wastewater generation.
- Indoor Environmental Quality credits (up to 3 credits) by optimizing practices that prevent the development of IEQ problems, by including green cleaning of entryways and by the use of cleaning products with a low environmental impact.



### ADDITIONALLY

HOST Dry Carpet Cleaner is also approved by the Florida School Plant Managers Association (FSPMA) for carpet cleaning products based on performance, safety and environmental criteria.