



 **host**[®]
GREEN, CLEAN & DRY[®]

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

host 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 all three HOST dry extraction cleaners achieved the Green Seal Certification, you can be sure that they 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 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 extraction cleaners have been shown by Green Seal to:

- Pass performance testing
- Be nontoxic
- Contain readily biodegradable ingredients
- Have low VOCs
- Be noncorrosive to skin or eyes
- Be nonsensitizing to skin
- Have responsible packaging
- Contain no optical brighteners
- Contain no ozone-depleting compounds
- Contain no intentionally added carcinogens, reproductive toxins or heavy metals
- Not be combustible
- Not cause eutrophication (eradication of water-based organisms due to the oxygen depletion caused by the decay of over-fertilized plant life such as algae)
- Provide excellent training

*This product meets the Green Seal™ Standard for Cleaning Products for Industrial and Institutional Use, GS-37, based on its reduced human and environmental toxicity and reduced volatile organic compound content.

HOST'S ENVIRONMENTAL BENEFITS

No other carpet cleaning method can compare.



USDA BIOBASED & BIOPREFERRED



HOST dry extraction cleaners are United States Department of Agriculture (USDA) certified biobased products that contain 100% USDA certified biobased content by weight, and are the only dry carpet cleaners that have earned USDA BioPreferred® designation for Federal preferred purchasing (ASTM test method D6866). USDA BioPreferred products are composed in whole or in part of biological products or renewable agricultural materials, including plant, animal or marine materials. Products made from renewable resources reduce the demand for finite resources and are usually biodegradable or recyclable. HOST dry extraction cleaners require no special disposal.

IMPROVES INDOOR ENVIRONMENTAL QUALITY

Prevents Mold & Mildew Growth

According to the EPA, "moisture control is the key to mold control." 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 if it isn't dried quickly enough. In fact, HOST helps remove mold and mildew from carpets.

Reduces Indoor Allergens

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%

Additional tests with the HOST Liberator® & Freestyle® machines show even greater allergen extraction:

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

CONSERVES NATURAL RESOURCES

Energy

Many environmental organizations recognize that it takes quite a bit of energy to heat water used in wet 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 to run dehumidifiers and air conditioners to remove moisture from the carpet and air
- No need to use blowers to dry carpet

Water

This point is often overlooked: wet 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 wet extractors. However, as HOST Dry Carpet Cleaner is ready-to-use, the actual water savings in any building using it is 100%.

DID YOU KNOW?

It is unlawful for a manufacturer to claim that its products or equipment remove dust mites or mold from the environment unless the EPA has registered its facility.

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



USING HOST JUST ONCE WOULD SAVE 9,770,000,000 GALLONS OF WATER!

According to industry estimates, there are about 200 billion square feet of carpet in the United States. Cleaning all of this carpet just once with HOST would save 9,770,000,000 gallons of water!

That's enough water to:

- Fill **195 million** standard bathtubs
- Sustain over **53 million** people for one year or over **670 thousand** for their lifetimes
- Flush a 1.6 gallon toilet more than **6 billion** times

CORPORATE ENVIRONMENTAL PERFORMANCE



EPA's Design for the Environment Program (DfE): Safer Detergent Stewardship Initiative (SDSI)

Racine Industries, Inc., is a Champion, the highest level of recognition offered, in the EPA's Design for the Environment Program (DfE): Safer Detergent Stewardship Initiative (SDSI). This reflects our ongoing corporate commitment to formulating safer and more biodegradable products.

Life Cycle Analysis (LCA)

HOST's environmental scores via LCA are the best in the carpet cleaning category, leaving HOST with the smallest environmental footprint around. We intend to keep it that way. (Source: National Institute of Standards and Technology's [NIST] Building for Environmental and Economic Sustainability [BEES] Life Cycle Analysis.)

Environmental Management Approach

Many small efforts add up to making a big environmental impact. For instance, we give shipping preference to those using renewable resources. We use point-of-use water heaters to minimize heat loss through pipes and reclaim heat elsewhere to be reused. We source locally and recycle extensively. We are on the constant lookout for other such opportunities.

LEED® 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 Dry Extraction Carpet Cleaning System contributes to earning credits to achieve and maintain building certification. Unlike other green cleaning systems, the HOST

System goes beyond green cleaning and may contribute to credits regarding water and wastewater conservation, energy conservation, and Integrated Pest Management.

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.

WOOLSAFE CERTIFIED



HOST dry extraction cleaners, HOST PREP® and HOST Spot Remover are proven as both cleaners and/or spot removers under the international third-party testing conducted by WoolSafe®. WoolSafe Approved Certification means that a product cleans well, that it will not damage fibers or colors, and that it does not leave a residue that would promote rapid resoiling. 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.



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.