

Household Cleaning Products

Standard: GS-8 Edition 5.5



WHAT GREEN SEAL CERTIFIES

Green Seal's leadership standard means a household cleaning product is verified as safer for human health and the environment compared to similar products while delivering uncompromising performance.

PERFORMANCE OF GREEN



Our standard ensures the product performs for its intended use. All Green Seal-certified products must demonstrate an effective level of cleaning performance via an objective, scientifically validated method conducted under controlled and reproducible laboratory conditions. Certain product types must meet performance thresholds following approved ASTM, Household and Commercial Products Association, or American Association of Textile Chemists and Colorists methods. Products can also demonstrate that they perform equivalent to or better than a nationally recognized or market-leading product.

SCIENCE OF GREEN – HEALTH



RESTRICTIONS TO PREVENT ADVERSE HEALTH EFFECTS	
Acute Toxicity (Oral)	LD50 > 5,000 mg/kg
Acute Toxicity (Inhalation)	LC50 > 20 mg/L at 1 hour
Skin and Eye Damage	pH of > 2.0 but less than 11.5; Must not be corrosive to skin or eyes
Skin Sensitization	Must not be a skin sensitizer
Ozone-Depleting Compounds	Prohibited above 100ppm
Volatile Organic Compounds	VOC Content < level specified in CARB for product type
Carcinogens	Prohibited above 100ppm
Mutagens	Prohibited above 100ppm
Reproductive Toxins	Prohibited above 100ppm
Alkylphenol Ethoxylates	Prohibited above 100ppm
2-butoxyethanol	Prohibited above 100ppm
Phthalates	Prohibited above 100ppm and must not be intentionally added to primary packaging
Bisphenol A	Must not be intentionally added to primary packaging
Chlorinated Materials	Must not be intentionally added to primary packaging
Hexavalent Chromium	Prohibited above 100ppm and must not be intentionally added to primary packaging
Lead	Prohibited above 100ppm and must not be intentionally added to primary packaging
Mercury	Must not be intentionally added to primary packaging
Cadmium	Must not be intentionally added to primary packaging
Selenium	Prohibited above 100ppm
Enzymes	Products containing enzymes must meet additional criteria
Microorganisms	Products containing microorganisms must meet additional criteria

Green Seal® is a global non-profit whose certification mark is a universal symbol that a product or service meets the highest benchmark of health and environmental leadership.

Learn more about our environmental leadership standards and 30,000+ certified products and services at [GreenSeal.org](https://www.GreenSeal.org).



SCIENCE OF GREEN – ENVIRONMENT



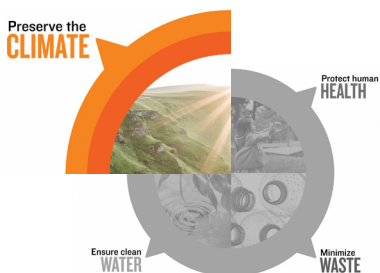
REQUIREMENTS TO PREVENT WASTE

Primary Packaging	Must be either source-reduced, recyclable, contain at least 25% post-consumer material, or be a refillable packaging with an effective take-back program
Aerosol Packaging	Cans must be recyclable and recycling programs are available for packaging where product is sold
Use Labeling	Must have detailed instructions for proper use to minimize waste
Recycling Labeling	Plastic packages must be marked with the appropriate Resin Identification Code and have clear instructions for disposal



RESTRICTIONS TO PREVENT ADVERSE ENVIRONMENTAL EFFECTS

Acute Toxicity to Aquatic Life	LC50 > 100mg/L for algae, daphnia, or fish
Aquatic Biodegradability	Each organic ingredient must readily biodegrade
Eutrophication	Sum of total phosphorus restricted to < 0.5%
Optical Brighteners	Prohibited above 100ppm



CRITERIA THAT HELP PRESERVE THE CLIMATE

Many of the standards for human health, minimizing waste and ensuring clean water also help preserve the climate:

- Content limits on volatile organic compounds (VOCs)
- Limit on phosphorus
- Prohibition on ozone depleting compounds
- Reduced / Recycled packaging

A GREEN YOU CAN TRUST

All Green Seal certified products must meet industry best practices for Quality and Safety.



Combustibility



Fragrances



Animal Testing



Labeling



Safety Data Sheets

Our standards are referenced by the leading green building certification programs.



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