

Personal Care & Cosmetic Products Household

Standard: GS-50 Edition 1.3



WHAT GREEN SEAL CERTIFIES

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

PERFORMANCE OF GREEN

All Green Seal-certified products must demonstrate an effective level of performance via an objective, scientifically validated method conducted under controlled and reproducible laboratory conditions. Certain product types must meet performance thresholds established by U.S. federal agencies or the European Commission following approved industry methods.

SCIENCE OF GREEN – HEALTH

Protect human
HEALTH



RESTRICTIONS TO PREVENT ADVERSE HEALTH EFFECTS

Acute Toxicity (Oral)	LD50 > 5,000 mg/kg
Acute Toxicity (Inhalation)	LC50 > 200 mg/L at 1 hour, LC50 > 20,000ppmV at 1 hours (gases)
Dermal Toxicity (Skin)	LD50 > 2,000mg/kg
Skin and Eye Corrosion	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
Skin Irritation	Must not cause skin irritation
Skin Absorption	Sum of ingredients with skin notations restricted to <1%
Asthmagens	Cannot be intentionally added at any level
Respiratory Sensitizers	Cannot be intentionally added at any level
Ozone Depleting Compounds	Cannot be intentionally added at any level
Volatile Organic Compounds	Restricted to content level specified by CARB
Hazardous Air Pollutants	Cannot be intentionally added at any level
Carcinogens	Cannot be intentionally added at any level
Mutagens	Cannot be intentionally added at any level
Reproductive Toxins	Cannot be intentionally added at any level
Per- and Polyfluoroalkyl Substances (PFAS)	Cannot be intentionally added at any level
Neurotoxins / Systemic Toxins	Cannot be intentionally added at any level
Endocrine Disruptors	Cannot be intentionally added at any level
Alkylphenol Ethoxylates	Cannot be intentionally added at any level
2-Butoxyethanol	Cannot be intentionally added at any level
Benzophenone and its derivatives	Cannot be intentionally added at any level
Butylated hydroxytoluene	Cannot be intentionally added at any level
Ethoxylated chemicals	Cannot be intentionally added at any level
Ethylene Diaminetetraacetic Acid (EDTA)	Cannot be intentionally added at any level
Formaldehyde donors	Cannot be intentionally added at any level
Halogenated Organic Solvents	Cannot be intentionally added at any level
Methylbromo glutaronitrile	Cannot be intentionally added at any level
Mineral Oils	Cannot be intentionally added at any level
Monoethanolamine, Diethanolamine, Triethanolamine	Cannot be intentionally added at any level
Mercury-containing compounds	Cannot be intentionally added at any level
Nitrotriacetic Acid	Cannot be intentionally added at any level
Nitro-musks	Cannot be intentionally added at any level
Parabens	Cannot be intentionally added at any level
Paraffin wax	Cannot be intentionally added at any level
Petrolatum	Cannot be intentionally added at any level
Phthalates	Cannot be intentionally added at any level and must not be intentionally added to primary packaging and applicators
Polycyclic Musks	Cannot be intentionally added at any level
Toxic Release Inventory Persistent, Bioaccumulative, and Toxic Chemicals	Cannot be intentionally added at any level
Triclosan	Cannot be intentionally added at any level
Colorants	Prohibited outside makeup, nail polish, and sun tanning products

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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).

Personal Care & Cosmetic Products (CONT'D)

HOUSEHOLD

STANDARD: GS-50 EDITION 1.2

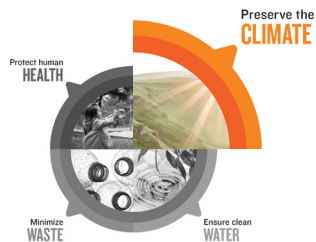


SCIENCE OF GREEN - HEALTH

Restrictions to Prevent Adverse Health Effects (cont'd)

Bisphenol A	Cannot be intentionally added at any level and must not be intentionally added to primary packaging and applicators
Chlorinated Materials	Must not be intentionally introduced to primary packaging and applicator materials
Hexavalent Chromium	Cannot be intentionally added at any level and must not be intentionally added to primary packaging and applicators
Lead	Cannot be intentionally added at any level and must not be intentionally added to packaging and applicators
Mercury	Must not be intentionally added to primary packaging and applicators
Selenium	Cannot be intentionally added at any level
Cadmium	Must not be intentionally added to primary packaging and applicators
Biocides	Restricted to use only as a preservative
Nanoscale Components	Must be approved for use in product by European Commission Scientific Committee on Consumer Safety

SCIENCE OF GREEN - ENVIRONMENT



CRITERIA THAT HELP PRESERVE THE CLIMATE

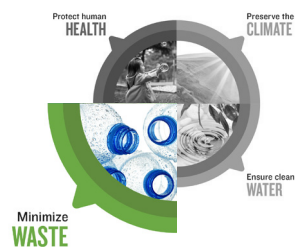
Many of the standards for human health, minimizing waste, and ensuring clean water also help preserve the climate:

- Content limits on volatile organic compounds (VOCs)
- Limit on phosphorus
- Prohibition on ozone depleting compounds
- Prohibition on halogenated organic solvents
- Prohibition on hazardous air pollutants
- Reduced / recycled packaging



RESTRICTIONS TO PREVENT ADVERSE ENVIRONMENTAL EFFECTS

Acute Toxicity to Aquatic Life	LC50 > 100mg/L for algae, daphnia, or fish
Chronic Aquatic Toxicity	Ingredients prohibited above 100ppm
Aquatic Biodegradability	Each organic ingredient must readily biodegrade
Bioaccumulating Compounds	Prohibited above 100ppm
Eutrophication	Sum of total phosphorus restricted to < 0.5%
Optical Brighteners	Cannot be intentionally added at any level



REQUIREMENTS TO PREVENT WASTE

Primary and Secondary Packaging	Must be either source-reduced, recyclable and contain at least 25% post-consumer material, contain 50% post-consumer material, or have a take-back program
Disposable Wipes	Must be made from 100% renewable materials
Aerosol Packaging	Aerosol Packaging is prohibited
Use Labeling	Must have detailed instructions for proper use to minimize waste
Recycling Labeling	Must be marked with the appropriate Resin Identification Code, if plastic, and have clear recycling instructions for disposal

A GREEN YOU CAN TRUST

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



Fragrances



Animal Testing



Proper Use Training



Labeling



Safety Data Sheets

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



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