

Glass Cleaners

Standard: GS-37 Edition 7.8



WHAT CERTIFICATION MEANS

Green Seal's leadership standard means a glass cleaning product is safer for human health and the environment compared to conventional alternatives while providing uncompromising cleaning performance.

PERFORMANCE OF GREEN

Our standards ensure the product performs as well as or better than other nationally-recognized or market-leading products of its type for equivalent usages. 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. Glass cleaners must meet a rating level of 3 in each of the Consumer Specialty Products Association DCC 09 categories: soil removal, smearing, streaking.

SCIENCE OF GREEN – HEALTH

Protect human
HEALTH



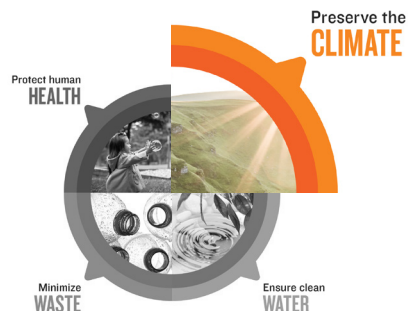
RESTRICTIONS TO PREVENT ADVERSE HEALTH EFFECTS

Acute Toxicity (Oral)	LD50 > 5,000 mg/kg
Acute Toxicity (Inhalation)	LC50 > 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
Skin Absorption	Sum of ingredients with skin notations restricted to <1%
Asthmagens	Prohibited above 100ppm
Chronic Inhalation Toxicity	Must not cause harmful health effects following chronic inhalation exposure
Ozone Depleting Compounds	Prohibited above 100ppm
Volatile Organic Compounds	Restricted to 1% or limit set in CARB
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
Alkylphenol Ethoxylates	Prohibited above 100ppm
2-butoxyethanol	Prohibited above 100ppm
Phthalates	Prohibited above 100ppm and must not be intentionally added to plastic packaging
Selenium	Prohibited above 100ppm
Hexavalent Chromium	Prohibited above 100ppm and must not be intentionally added to packaging
Lead	Prohibited above 100ppm and must not be intentionally added to packaging
Mercury	Must not be intentionally added to packaging
Cadmium	Must not be intentionally added to packaging
Bisphenol A	Must not be intentionally added to plastic packaging
Chlorinated Materials	Must not be intentionally added to plastic packaging
Colorants	Cannot contain intentionally added heavy metals
Bisphenol A	Must not be intentionally added to plastic packaging
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).

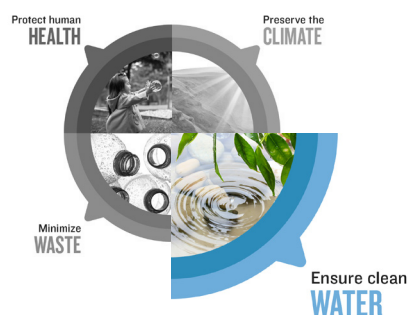
SCIENCE OF GREEN – ENVIRONMENT



CRITERIA THAT HELP PRESERVE THE CLIMATE

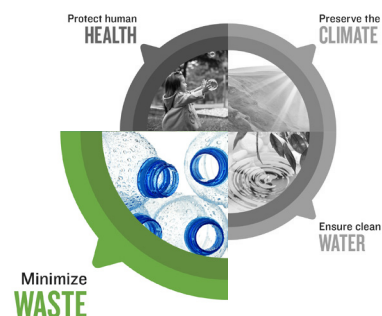
Many of the standards for human health, minimizing waste and ensuring clean water also help preserve the climate:

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



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
Bioaccumulating Compounds	Prohibited above 100ppm
Eutrophication	Sum of total phosphorus restricted to < 0.5%
Optical Brighteners	Prohibited above 100ppm



RESTRICTIONS TO PREVENT PACKAGING WASTE

Plastic	Must be either source-reduced, recyclable, contain at least 25% post-consumer material or be a refillable package with an effective take-back program
Non-Plastic	Must be either recyclable or contain at least 25% post-consumer material
Concentrates	Must be concentrated to at least 1:16 level
Aerosol Cans	Packaging is prohibited
Recycling Labelling	Plastic packages must be marked with appropriate Resin Identification Code

A GREEN YOU CAN TRUST

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



Combustibility



Fragrances



Animal Testing



Proper Use Training



Labelling



Safety Data Sheets

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



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