

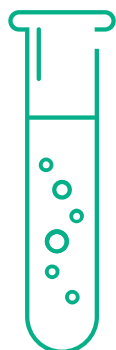
GS-52 Specialty Cleaning Products



A High Standard for Protecting People and Planet

Green Seal's Leadership standard means specialty cleaning products are safer for human health and the environment than similar products while delivering uncompromising performance.

Safer Chemicals



Acute Toxicity (Oral)	LD50 > 5,000 mg/kg
Acute Toxicity (Inhalation)	LC50 > 20,000 ppmV at 1 hour
Dermal Toxicity (Skin)	LD50 > 2,000mg/kg
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
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 (separate criteria for enzymes)
Respiratory Sensitizers	Prohibited above 100ppm
Ozone Depleting Compounds	Cannot be intentionally added at any level
Volatile Organic Compounds	VOC Content < level specified in CARB or standard for product type
Chronic Inhalation Toxicity	Must not cause adverse health effects following chronic inhalation exposure
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

GS-52 Specialty Cleaning Products



Safer Chemicals (Continued)

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
o-Phenylphenol	Cannot be intentionally added at any level
Halogenated Organic Solvents	Only permitted for preservation or stabilization of the product (exempt: antimicrobial pesticide products)
Antimicrobial Agents	Restricted to preservation / stabilization of the product. Exception for antimicrobial pesticide products
Triclosan Polycyclic Masks	Cannot be intentionally added at any level
Nitro-musks	Cannot be intentionally added at any level
Toxic Release Inventory Persistent, Bioaccumulative, and Toxic Chemicals	Cannot be intentionally added at any level
Colorants	Cannot contain intentionally added heavy metals
Phthalates	Cannot be intentionally added at any level
Hexavalent Chromium	Cannot be intentionally added at any level
Lead	Cannot be intentionally added at any level
Selenium	Cannot be intentionally added at any level
Enzymes	Products containing enzymes must meet additional criteria
Microorganisms	Products containing microorganisms must meet additional criteria
Combustibility	Product or 99% of ingredients must have a flashpoint above 150°F as tested through ASTM D92, ISO 13736, or ISO 2719. Or, product cannot sustain a flame during ASTM D4206
Fragrances	All added fragrances must be disclosed and follow the Code of Practice of the International Fragrance Association

GS-52 Specialty Cleaning Products

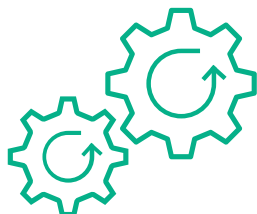


Responsible Sourcing



Disposable Wipes	Ready-to-use wipes must be made from agricultural products, wood pulp, or other cellulosic materials unless meant for three or more uses
------------------	--

Low-Impact Manufacturing



Freedom of Association and Collective Bargaining	Workers shall have the right to participate in unions and collective bargaining
Freedom of Labor	Manufacturer cannot use forced, bonded, or child labor
Freedom from Discrimination	Manufacturer cannot discriminate against employees and cannot tolerate harassment, intimidation, or exploitation
Occupational Health and Safety	Manufacture must provide a safe and hygienic workplace and health and safety training to minimize workplace hazards, accidents, and injury
Conditions of Employment	Manufacturer must offer fair conditions on wage, working hours, and overtime

Sustainable Packaging



Primary Packaging	Must be either source-reduced, recyclable, contain at least 25% post-consumer material, or be a refillable package with an effective take-back program
Secondary Packaging	Secondary packaging only allowed for concentrates (e.g. dish tablets). Multiple units may be exempt
Concentrated Product Packaging	Concentrates cannot be sold in ready-to-use primary packaging
Aerosol Packaging	Packaging and propellants must meet additional requirements and recycling programs must be available for packaging where product is sold
Resin Identification Code	Plastic packages must be marked with the appropriate Resin Identification Code
Packaging Chemicals	Phthalates, Bisphenol A, Chlorinated Materials, Hexavalent Chromium, Lead, Mercury, and Cadmium must not be intentionally added to primary packaging

GS-52 Specialty Cleaning Products



Verified Performance and Claims



Performance Requirements	Products must demonstrate they clean soils and surfaces effectively as measured by valid ASTM or HCPA tests. Products can meet specified cut-off levels or perform as well as or better than a nationally recognized or market-leading product using an objective, scientifically-validated method conducted under controlled and reproducible laboratory conditions.
Marketing Claims	Green Seal trademarks cannot be used in conjunction with any claims that might mislead consumers as to the extent or nature of certification
Ingredient Line	Product Label must disclose all ingredients on the label and website or technical data sheet
Labeling	Must include instructions for proper use and disposal to minimize waste
Resource Conservation Labeling	Hand dish and automatic dish cleaning products shall encourage energy and water conservation
Antimicrobial Claims	Cannot make antibacterial, disinfecting, antiseptic, or sanitizing product claims. Exception for antimicrobial pesticide products, which have additional label requirements
Organic Claims	All organic claims must be supported with documentation that they meet the U.S. Department of Agriculture National Organic Program or the NSF International 305 standard
Natural and Biobased Claims	Natural and biobased product claims must meet additional criteria
Fragrance and Allergen Labeling	Must declare whether a fragrance has been added and if the product contains any allergen ingredients
Concentrates and Dosing	Boat cleaning products, motor vehicle products, deck, siding, and outdoor furniture cleaning products must be concentrated to at least the 1:8 level