

TECHNICAL DATA SHEET

Date: January 2009

PRODUCT: SIMPLE GREEN® ALL-PURPOSE CLEANER/DEGREASER/DEODORIZER

MANUFACTURER: Sunshine Makers, Inc. 15922 Pacific Coast Highway, Huntington Harbour, CA 92649

USE OF PRODUCT: An all purpose cleaner and degreaser used diluted in water for direct, spray, and dip tank procedures.

TYPICAL DILUTIONS: (ratio = Part Simple Green to Part Water)

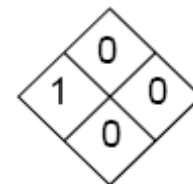
Full Strength to 1:5 = Heavy cleaning/degreasing and parts washer or dip tank fluid.

1:10 = Moderate cleaning.

1:30 = Light cleaning or moderate cleaning with pressure sprayer/steam cleaner.

1:50 = Light cleaning or light cleaning with pressure sprayer/steam cleaner.

1:150 = Cleaning of glass, chrome, reflective surfaces.



PHYSICAL & CHEMICAL PROPERTIES:

Detection: Translucent green liquid with characteristic sassafras odor.

Specific Gravity: 1.0257

pH of Concentrate: 9.5

Evaporation: > 1 (butyl acetate = 1)

Boiling Point: > 110°C (231°F)

Freezing Point: -9 °C (16 °F)

VOC Composite Partial Pressure: 0.006 mm Hg @ 20°C

Volatile Organic Compounds: <40 g/L per EPA Method 24.

Ash Content: At 600°F: 1.86% by weight

Nutrient Content: Nitrogen: < 1.0% by weight (fusion and qualitative test for ammonia)

Phosphorus: 0.3% by formula.

Sulfur: 0.6% by weight (barium chloride precipitation method)

Water Solubility: Completely soluble in water.

NFPA/HMIS Rating

Health = 1 (slight)

Reactivity = 0 (minimal)

Fire = 0 (minimal)

Special = 0 (minimal)

Biodegradability: Simple Green is readily decomposed by naturally occurring microorganisms. The biological oxygen demand (BOD), as a percentage of the chemical oxygen demand (COD), after 4, 7, and 11 days was 56%, 60%, and 70%, respectively. Per OECD Closed Bottle Test, Simple Green meets OECD and EPA recommendations for ready biodegradability.

Disposal: Dispose of in accordance with all regulations governing your location.

Shelf Life: In unopened containers, the shelf-life for this product is indefinite. If frozen, the product will reconstitute without loss of efficacy when brought back to room temperature and agitated. Storage or exposure to temperatures above 100°F for more than twenty-four hours may cause surfactants to break down and a resulting loss of efficacy. Once containers are open, uncontaminated product life should be greater than 5 years to indefinite. However, length of shelf-life cannot be guaranteed due to variety of contaminants possibly entering the fluid and their effect upon spoilage rates.

Stability, Reactivity / Storage & Handling:

Simple Green is stable, not flammable, and will not burn.

Simple Green is non-reactive and stable, even under fire conditions, and will not react with water or oxidizers. Hazardous polymerization will not occur.

No special precautions are required. This product is non-hazardous for storage and transport according to the U.S. Department of Transportation Regulations. Simple Green requires no special labeling or placarding to meet U.S. Department of Transportation requirements.

Dangerous Goods Class: Non-hazardous.

UN Number: Not required

Containers: Packaged in PET (spray bottles) or HDPE (gallon bottles and larger.) Simple Green residues can be completely removed by rinsing with water; the container can be recycled or applied to other non-food or non-potable uses.

Technical Questions: Sunshine Makers, Inc. Technical Department

Phone: 800/228-0709 Mon-Fri, 8am-5pm Pacific Daylight Standard Time (USA)

Email: Infoweb@simplegreen.com