

Section 1: PRODUCT & COMPANY IDENTIFICATION

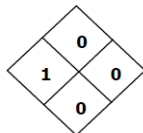
Product Name: Extreme Simple Green® Aircraft & Precision Cleaner
 Additional Names: Extreme Simple Green Aviation Cleaner & Heavy Duty Degreaser
 Simple Green® Stencil Cleaner & Solder Paste Remover

Manufacturer's Part Number:	Aircraft & Precision <u>Cleaner</u>	Aviation Cleaner & <u>Heavy Duty Degreaser</u>	Stencil & Solder <u>Cleaner</u>
	13406 1 gal	13451 1L spray	13432 32 oz. spray
	13405 5 gal	13459 10L	13436 1 gal.
	13455 55 gal	13419 20L	13435 5 gal.
	13475 275 gal tote	13456 208L	13438 55 gal.

Company: Sunshine Makers, Inc.
 15922 Pacific Coast Highway
 Huntington Beach, CA 92649 USA
 Telephone: 800-228-0709 • 562-795-6000 Fax: 562-592-3830
 Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-255-3924

Section 2: HAZARDS IDENTIFICATION

Emergency Overview: CAUTION. Irritant. This is a clear colored liquid with a chemical/detergent odor.



NFPA/HMIS Rating:
 Health = 1 = slight
 Fire, Reactivity, and Special = 0 = minimal

Potential Health Effects

Eye Contact: Mildly irritating.
Skin Contact: No adverse effects expected under typical use conditions. Prolonged exposure may cause dryness. Chemically sensitive individuals may experience mild irritation.
Ingestion: May cause stomach or intestinal irritation if swallowed.
Inhalation: No adverse effects expected under typical use conditions. Adequate ventilation should be present for prolonged usage in small enclosed areas.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	≥ 77%
Triethanolamine	102-71-6	10%
Ethoxylated Alcohol / Quaternary Amine mixture	Proprietary	≤ 10%
Propylene Glycol Butyl Ether	5131-66-8	≤ 5%
Tetrapotassium Pyrophosphate	7320-34-5	≤ 1%
Potassium Silicate	1312-76-1	≤ 1%

Section 4: FIRST AID MEASURES

- If Inhaled:** If adverse effect occurs, move to fresh air.
- If on skin:** If adverse effect occurs, rinse skin with water.
- If in eyes:** Flush with plenty of water. After 5 minutes of flushing, remove contact lenses, if present. Continue flushing for at least 10 more minutes. If irritation persists seek medical attention.
- If ingested:** Drink plenty of water to dilute.

Section 5: FIRE FIGHTING MEASURES

This formula is stable, non-flammable, and will not burn. No special procedures necessary

- Flammability:** Non-flammable
- Flash Point:** Non-flammable

- Suitable Extinguishing Media:** Use Dry chemical, CO2, water spray or “alcohol” foam.
- Extinguishing Media to Avoid:** High volume jet water.
- Special Exposure Hazards:** In event of fire created carbon oxides, oxides of phosphorus may be formed.
- Special Protective Equipment:** Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

Section 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** See section 8 – personal protection.
- Environmental Precautions:** Do not allow into open waterways and ground water systems.
- Method for Clean Up:** Dilute with water and rinse into sanitary sewer system or soak up with inert absorbent material.

Section 7: HANDLING AND STORAGE

- Handling:** Keep container tightly closed. Ensure adequate ventilation. Keep out of reach of children.
- Storage:** Keep in cool dry area.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values:	OSHA PEL	ACGIH TLV
Triethanolamine	-	5 mg/m ³
Tetrapotassium Pyrophosphate	-	5 mg/m ³

- Exposure Controls:**
- Eye Contact:** Use protective glasses if splashing or spray-back is likely.
- Respiratory:** Use in well ventilated areas.
- Skin Contact:** Prolonged exposure or dermal sensitive individuals should use protective gloves.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Liquid	Vapor Pressure:	20.7 mmHg
Odor:	Detergent odor; no added fragrance	Density:	8.546 lb/gal; 1.024 g/L
Specific Gravity:	1.025 ± 0.015	Water Solubility:	100%
pH:	10.9 ± 0.8	Evaporation Rate:	9.54% per hour
Boiling Point:	~210°F (98 °C)	Insoluble Matter:	< 0.01%
Freezing Point:	~ 32°F (0 °C)	Percent Volatiles	85.26% (ASTM-D 2369)
Nutrient Content:	Nitrogen:<0.1% (0% by formula)	VOC Composite Partial Pressure: TBD	
	Phosphorous: < 0.25% (by formula)	VOC:	CARB Method 310 0.17%
	Sulfur: <0.1% (0% by formula)		SCAQMD Method 313 2.04%

Section 10: STABILITY AND REACTIVITY

Stability: Stable
 Materials to Avoid: None known
 Hazardous Decomposition Products: Normal products of combustion - CO, CO₂; Oxides of Phosphorous may occur.

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Oral LD₅₀ (rat) > 5 g/kg body weight
 Dermal LD₅₀ (rabbit) > 5 g/kg body weight
 Toxicity calculated from ingredients using OECD SERIES ON TESTING AND ASSESSMENT Number 33

Carcinogens: No ingredients are listed by OSHA, IARC, or NTP as known or suspected carcinogens.

Section 12: ECOLOGICAL INFORMATION

Hazard to wild mammals: Low, based on toxicology profile
 Hazard to avian species: Low, based on toxicology profile
 Hazard to aquatic organisms: Low, based on toxicology profile
 Chemical Fate Information: Readily Biodegradable per OECD 301D, Closed Bottle Test

Section 13: DISPOSAL CONSIDERATIONS

Appropriate Method for Disposal:

Unused Product: *Dilute with water to use concentration and dispose by sanitary sewer.
 Used Product: *This product can enter into clarifiers and oil/water separators. Used product may be hazardous depending on the cleaning application and resulting contaminants.
 Empty Containers: *Triple-rinse with water and offer for recycling if available in your area. Otherwise, dispose as non-hazardous waste.

