

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Extreme Simple Green® Aircraft & Precision Cleaner
 Additional Product Name: Simple Green® Stencil Cleaner & Solder Paste Remover

Manufacturer's Product Code Numbers:	<u>Aircraft Cleaner Part Numbers:</u>	<u>Stencil Cleaner Part Numbers:</u>
	13412 = 12 x 32 oz. trigger-spray	13432 = 12 x 32 oz. trigger-spray
	13406 = 6 x 1 gal. 13405 = 1 x 5 gal.	13436 = 4 x 1 gal. 13435 = 1 x 5 gal.
	13455 = 1 x 55 gal. 13475 = 1 x 275 gal.	13438 = 1 x 55 gal.

Company: Sunshine Makers, Inc.
 15922 Pacific Coast Highway
 Huntington Harbour, 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

Use of Product: Heavy Duty Exterior Commercial & Private Aircraft Cleaner, Aircraft Engine Wash, Specialized Industrial Cleaner/Degreaser, and Precision Stencil Cleaner. Can be manually applied (spray or wash-on,) used with pressure washing equipment, parts washing equipment, and in wash racks.

Performance Certifications: · Passed **Boeing D6-17487** (rev P = Release 22-APR-2003) Evaluation of Materials for Exterior and General Cleaners.

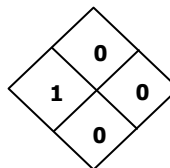
· Passed **Pratt & Whitney PWA 36604r** Effects of Cleaning Agents on Aircraft Engine Materials (revC=20-JUN-2001 & D=26-JAN-2005) @1:5 dilution.

Above testing was performed by Scientific Materials International, Inc.

Section 2: HAZARDS IDENTIFICATION**NONHAZARDOUS**

Emergency Overview: **CAUTION. Mild eye irritant.**

Extreme Simple Green Aircraft is a colorless liquid with a very faint detergent-like odor. It is non-flammable, non-combustible, non-explosive, and non-reactive.



NFPA/HMIS Rating:

Health = 1 = slight

Fire, Reactivity, and Special = 0 = minimal

Eye Contact: Eye Irritant (due to defatting effects.)

Skin Contact: No adverse effects expected under typical use conditions. Prolonged exposure to concentrate may cause dryness. Under this condition, use of gloves or skin moisturizer after washing may be indicated.

Ingestion: May cause stomach or intestinal upset if swallowed (due to deterative properties.)

Inhalation: No adverse effects expected under typical use conditions. Adequate ventilation should be present when using Extreme Simple Green over a prolonged period of time. Open windows or ventilate via fan or other air-moving equipment if necessary.

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

Medical Conditions: No medical conditions are known to be aggravated by exposure to Extreme Simple Green.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Substances & SARA Reportable Substances Present: None – See Page 4 of 4

<u>Organic Compounds Present:</u>	<u>Percent by wt:</u>
Proprietary ethoxylated fatty alcohol	< 5%
Proprietary fatty alkyl cocoamide	< 5%
Propylene glycol	< 1%
Propylene glycol butyl ether	< 5%
Triethanolamine	< 11%

Section 4: FIRST AID MEASURES

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, moving lower and upper eyelids away from eye to flush out all product. If irritation persists beyond 12 hours after contact, seek medical attention.

If ingested: Drink plenty of water to dilute. Stomach or intestinal upset may occur due to detergent properties.

Section 5: FIRE FIGHTING MEASURES

This product is non-flammable, non-combustible, and non-explosive. Any form of extinguishing media may be used on and around Extreme Simple Green. Please refer to Personal Protective Equipment information found in Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes. Do not rub eyes with hands during cleanup. No special precautions for dermal contact are needed. Wash hands thoroughly after cleaning up spill or leak.

Procedure to follow in case of spill or leak: Evacuate area. Identify source of leak or spill and contain with sand, earth, or containment bin. Then proceed to clean up spill or leak.

Method for cleaning up: Recover all reusable material. Cover remaining spill with inert absorbent material to soak up spill. Dispose absorbent material as non-hazardous waste. Rinse area with plenty of water and mop to sanitary sewer.

Section 7: HANDLING AND STORAGE

No special handling is required. Avoid contact with eyes. Wash hands thoroughly after handling.

Keep in a closed plastic or stainless steel container. Store at ambient temperature. Avoid excessive heat.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye contact: Access to eye bath or water source is recommended in case of eye contact. Thoroughly wash hands after contact to prevent hand to eye transference.

Inhalation: Use exhaust ventilation if necessary to keep airborne concentrations below exposure limits.

Exposure guidelines: Component	OSHA		ACGIH		Units
	TWA	STEL	TWA	STEL	
Proprietary ethoxylated fatty alcohol	N.E.	N.E.	N.E.	N.E.	ppm
Proprietary fatty alkyl cocoamide	N.E.	N.E.	N.E.	N.E.	ppm
Propylene glycol	N.E.	N.E.	N.E.	N.E.	ppm
Propylene glycol n-butyl ether	N.E.	N.E.	N.E.	N.E.	ppm
Triethanolamine	N.E.	N.E.	5 mg/m ³	N.E.	ppm

N.E. = not established

Eye protection: Wear chemical splash goggles or face shield when eye contact is possible due to splashing or spraying Extreme Simple Green.

Skin protection: Gloves or other skin protection are generally not needed under normal use conditions of Extreme Simple Green. Prolonged soaking in the product, repeated skin exposure over long periods of time, pre-existing skin conditions such as dermatitis, or allergic response to contact with the product may warrant the use of gloves, barrier creams, chemical aprons or other skin protection.

General hygiene conditions: There are no known hazards associated with this material when used as recommended. The following general hygiene considerations are recognized as common good industrial hygiene practices:

- Avoid breathing vapor or mist.
- Avoid contact with eyes.
- Wash thoroughly after handling and before eating, drinking, or smoking.

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, LC₅₀ for freshwater fish and Daphnia estimated to be > 200 ppm
Chemical Fate Information: When tested by OECD 301D, Closed Bottle Test for Biodegradability, Extreme Simple Green was found to be **readily biodegradable**, achieving an estimated 100% degradation rate at the target concentration of 2 mg/L. More than 70% degradation occurred within two weeks of testing.
Based on formula and ready biodegradability, the bioaccumulation potential is low.

Additional information can be found in Section 15: REGULATORY INFORMATION.

Section 13: DISPOSAL CONSIDERATIONS

Appropriate Method for Disposal of Extreme Simple Green:

Unused Product: *Dilute with water to use concentration (1:10) 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.

*Dispose of used or unused product, and empty containers in accordance with the local, State, Provincial, and Federal regulations for your location. Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

Section 14: TRANSPORT INFORMATION

IATA Proper Shipping Name: Detergent solution

Hazard Class: Nonhazardous

Section 15: REGULATORY INFORMATION

*Reportable components: None. The U.S. Environmental Protection Agency (EPA) has determined that propylene glycol ethers are not included within the listed category "glycol ethers" under either EPCRA §313 Toxic Release Inventory or Clean Air Act §112 Hazardous Air Pollutants (both lists include only ethylene glycol ethers).

All ingredients are listed on: **EINECS, Canadian DSL, TSCA Inventory**

No components listed under: Clean Air Act Section 112

RCRA Status: Not a hazardous waste.

CERCLA Status: No components listed

TSCA TRI Reporting: Not required / Not listed

CA PROP. 65 Status: No components listed

Section 16: OTHER INFORMATION

Questions about the information found on this MSDS should be directed to:

SUNSHINE MAKERS, INC. – TECHNICAL DEPARTMENT

15922 Pacific Coast Hwy. Huntington Harbour, CA 92649

Phone: 800/228-0709 [8am-5pm Pacific time, Mon-Fri] Fax: 562/592-3830 Email: infoweb@simplegreen.com

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