

Material Safety Data Sheet: Pro Series Simple Green® Automotive Cleaner & Degreaser

Version No. 43260-13B

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ANSI-Z400.1-2010

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Pro Series Simple Green® Automotive Cleaner & Degreaser

Additional Names: Simple Green® MAX Automotive Cleaner & Degreaser; Pro Series Simple Green® MAX

Manufacturer's Part Number: *Please see section 16*

Company: Sunshine Makers, Inc.
15922 Pacific Coast Highway
Huntington Beach, CA 92649 USA

Telephone: 800-228-0709 • 562-795-6000 Monday – Friday, 8am – 5pm PST

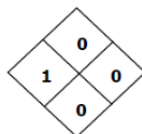
Fax: 562-592-3830

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 an added spice odor.

Routes of Exposures: Eye Contact, Skin Contact, Inhalation



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.

Medical Conditions Aggravated by Exposure: Dermally sensitive users may experience dry skin.

Target Organs: Unknown.

Environmental Effects: Unknown.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	≥ 83%
Triethanolamine	102-71-6	≤ 5%
Ethoxylated Alcohol	68439-46-3	≤ 5%
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**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, fire created carbon oxides and 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 Containment:** Dike or soak up with inert absorbent material.**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:** Ensure adequate ventilation. Keep out of reach of children. Keep away from heat, sparks, open flame and direct sunlight. Do not pierce any part of the container.**Storage:** Keep container tightly closed. Keep in cool dry area. Avoid prolonged exposure to sunlight. Do not store at temperatures above 115°F (46.11°C).**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure Limit Values:	OSHA PEL	ACGIH TLV
Triethanolamine	-	5 mg/m ³
Diethanolamine	-	1 mg/m ³
Tetrapotassium Pyrophosphate	-	5 mg/m ³

Engineering Controls: Not applicable**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.**General Hygiene Considerations:** Wash thoroughly after handling and before eating or drinking.**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** Colorless to light straw**Physical State:** Liquid**Odor:** Added spice odor**Odor Threshold:** Not available.**Boiling Point:** 98 °C (210°F)**Freezing Point:** 0 °C (32°F)**Specific Gravity:** 1.000 – 1.0100**Evaporation Rate:** 9.54% per hour**Vapor Pressure:** 20.7 mmHg**Vapor Density:** Not applicable**pH:** 10.9 ± 0.8**Flash Point:** Not applicable**Flammability:** Not applicable**Autoignition Temperature:** Not applicable**Decomposition Temperature:** Not applicable**Density:** 8.34 – 8.42 lbs/gallon**Water Solubility:** 100%**Partial Coefficient:** Not available

Section 9: PHYSICAL AND CHEMICAL PROPERTIES – continued

VOCs:	CARB Method 310	5 g/L	0.0417 lb/gal	0.5%
	SCAQMD Method 313	5.1 g/L	0.0426 lb/gal	0.51%
VOC Composite Partial Pressure:	0.102207135			
Nutrient Content:	Nitrogen:<0.1% (0% by formula)			
	Phosphorous: < 0.25% (by formula)			
	Sulfur: <0.1% (0% by formula)			

Section 10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions 70°F (21°C) and 14.7 psig (760 mmHg).
Reactivity:	Non-reactive.
Conditions to Avoid:	Temperature above 115 °F (46.11 °C).
Incompatible Materials:	None known.
Hazardous Decomposition Products:	Normal products of combustion - CO, CO ₂ ; Oxides of phosphorous may occur.
Possibility of Hazardous Reactions:	None known.

Section 11: TOXICOLOGICAL INFORMATION

Effects of Exposure: Not expected to be hazardous under typical use conditions.

Acute Toxicity:	Oral LD ₅₀ (rat)	> 5 g/kg body weight
	Dermal LD ₅₀ (rabbit)	> 5 g/kg body weight

Calculated via OECD Harmonized Integrated Classification System for Human health & Environmental hazards of Chemical Substances & Mixtures

Carcinogens: This product contains trace amounts of Diethanolamine (IARC 2B and ACGIH A3)

Eyes:	Mildly irritating.
Skin:	No adverse effects expected under typical use conditions.

Section 12: ECOLOGICAL INFORMATION

Aquatic Toxicity:	Low, based on toxicology profile
Terrestrial toxicity:	Low, based on toxicology profile
Persistence and degradability:	Readily Biodegradable per OECD 301D closed bottle test.
Mobility:	No data available.
Bioaccumulation:	Not applicable.

Section 13: DISPOSAL CONSIDERATIONS

Appropriate Method for Disposal:

Unused Product:	*Dilute with water and dispose by sanitary sewer.
Used Product:	* 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.

*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

U.S. Department of Transportation (DOT) / Canadian TDG: Not Regulated
 IMO / IDMG: Not classified as Dangerous
 ICAO/ IATA: Not classified as Dangerous
 ADR/RID: Not classified as Dangerous

U.N. Number: Not Required Proper Shipping Name: Detergent Solution
 Hazard Class: Non-Hazardous Marine Pollutant: No

Section 15: REGULATORY INFORMATION

All components are listed on: TSCA, DSL and AICS Inventory.

SARA Title III Section 311/312: Not applicable.
 Section 313: Not applicable.
 Section 302: Not applicable.

State Right To Know Lists Triethanolamine Pennsylvania, Minnesota, Massachusetts
 Diethanolamine New Jersey, Pennsylvania

CA Prop 65: Diethanolamine <0.01%

Texas ESL:

Ethoxylated Alcohol	68439-46-3	60 µg/m3 long term	600 µg/m3 short term
Diethanolamine	111-42-2	1 µg/m3 long term	10 µg/m3 short term

WHMIS Classification – Non-hazardous, not classifiable

Name	Toxic Substances List – Schedule 1 – CEPA (Canadian Environmental Protection Act)	NPRI Inventory
Diethanolamine	Yes	Yes

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by Canada’s Controlled Products Regulation.

Section 16: OTHER INFORMATION

Part Numbers:

43222 - 2 oz pump
 43232 - 32 oz trigger bottle

USA part numbers listed only. Not all part numbers listed. USA part numbers may not be valid for international sale.

Prepared / revised by: Sunshine Makers, Inc., Regulatory Department
This SDS has been revised in the following sections: Additional part number added

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