Extreme Simple Green® Aviation Cleaner & Heavy Duty Degreaser

SAFETY DATA SHEET in accordance with REGULATION (EC) No 1907/2006 & (EU) No 2015/282

1 IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Identifier: Extreme Simple Green® Aviation Cleaner & Heavy Duty Degreaser
Manufacturer Numbers: Please see Section 16

Relevant identified uses of mixture: Cleaning & Degreasing Agent
Relevant identified uses advised against: Surfaces not tolerate degreasing agents and non-rinsable surfaces.

Company: ECS/Simple Green UK
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Telephone: +44 (0) 1825 740575 **Fax:**
Email: info@simplegreen.co.uk

Emergency Telephone: UK NHS: dial 111 or your doctor

2 HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008 [CLP] : Eye Irritant 2

Label Elements **Hazard Pictograms:**

Signal Word: Warning.
Hazard Statements: H319: Causes serious eye irritation
Precautionary Statements: P280: Wear eye protection.
P264: Wash hands thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
Supplemental Hazard Information: Not applicable

Other Hazards: None known.

3 COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.	EC No.	CLP Annex VI Index No.	REACH No.	% weight	Name	Classification According to (EC) No 1272/2008 (CLP)
102-71-6	203-049-8	-	-	1 - 10%	Triethanolamine	Not classified
68439-46-3	614-482-0	-	-	1 - 10%	C9-11 Ethoxylated Alcohol	Eye Dam. 1 - H318
5131-66-8	225-878-4	-	-	1 - 5%	1-butoxypropan-2-ol	Eye Irrit. 2 – H319 Skin Irrit. 2 – H315
7320-34-5	230-785-7	-	-	0.1 – 1%	Tetrapotassium Pyrophosphate	Eye Irrit. 2 – H319
1312-76-1	215-199-1	-	-	0.1 -1%	Potassium Silicate	Met. Corr. 1 – H290 Skin Corr. 1B – H314 Eye Dam. 1 – H318 STOT SE 3 – H335

For full text of H statements and symbols see section 16

4 FIRST AID MEASURES

General Notes: Dilution of concentrate to 12.5% reduces possibility of eye irritation.

Following Inhalation: Move to fresh air in case of inhalation overexposure. If coughing or irritation persists consult a physician.
Following Skin Contact: Wash with water. If redness, swelling or persistent irritation occurs consult a physician.
Following Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

4 FIRST AID MEASURES - continued

Following Ingestion: Clean mouth with water. Drink plenty of water. Do not induce vomiting. If you feel unwell seek medical advice immediately.

Self-protection of the first aider: Treat Symptomatically.

Acute effects: None known or expected.
Delayed effects: None known or expected.
Immediate medical attention / special treatment: None needed.

5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use dry chemical, CO2, water spray or "alcohol" foam.
Unsuitable Extinguishing Media: High volume water Jet.
Hazardous combustion products: No hazards or reactions expected.
Advice for firefighters: No special equipment needed for this product. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6 ACCIDENTAL RELEASE MEASURES

Non-Emergency Personal
Protective Equipment: Use protective goggles.
Emergency Procedures: For small and large spills, wipe with absorbent material or soak with absorbent material and dispose of properly – see section 13
Emergency Responders: See instructions above.

Environmental Precautions: Do not allow into open waterways and ground water systems. Local authorities should be advised if significant spillages cannot be contained.

Methods for containment: Dike or divert spill from access to open waterways, or capping of drains.
Methods for cleaning up: Soak up with inert absorbent material (i.e. sand).
Other information: Refer to section 13 for appropriate disposal.

7 HANDLING AND STORAGE

Precautions for safe handling
Protective Measures: Avoid spray back and splashing. Keep container tightly closed when not in use.
Measures to prevent fire: Not applicable. Non flammable liquid.
Measure to prevent aerosol and dust generation: Not applicable.
Measures to protect environment: Avoid spills and keep away from drains.
Advice on general occupational hygiene: Do not eat, drink and smoke in work area. Wash hands after using. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities
Technical Measures and storage conditions: Store in cool dry area. Keep container tightly closed.
Packing Materials: Suitable for storage in HDPE and PET plastics.
Requirements for storage rooms and vessels: Do not allow to freeze or overheat.

Storage Class - Further information on storage conditions: None needed.

Specific End Uses - Recommendations: Cleaner / Degreaser used manually or with pressure washers and parts washers.
Specific End Uses - Industrial sector specific solutions: See above

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limit Values:	Triethanolamine (102-71-6)	Austria -	MAK-KZW 1.6 ppm STEL (4x15 min); 10mg/m^3 STEL; MAK-TMW 0.8 ppm TWA; 5 mg/m^3 TWA
		Belgium –	5 mg/m^3 TWA
		Czech Republic –	5 mg/m^3 TWA
		Denmark –	0.5 ppm TWA; 3.1 mg/m^3 TWA
		Estonia –	10mg/m^3 STEL; 5 mg/m^3 TWA
		Finland –	5 mg/m^3 TWA
		Germany –	5 mg/m^3 TWA MAK; 20 mg/m3 Peak Ceiling
		Ireland –	5 mg/m^3 TWA
		Italy –	5 mg/m^3 TWA
		Lithuania –	10 mg/m^3 STEL (TPRD); 5 mg/m^3 TWA (IPRD)
		Portugal –	5 mg/m^3 TWA (VLE-MP)
		Slovania –	5 mg/m^3 TWA
		Sweden –	STEL 10 mg/m^3 STV; 1.6 ppm STV; LLV 5 mg/m^3 LLV; 0.8 ppm LLV
	1-butoxypropan-2-ol (5131-66-8)	Czech Republic –	550 mg/m^3 Ceiling; 270 mg/m^3 TWA
		Denmark –	100 ppm TLV

Exposure Controls

Appropriate Engineering Controls Avoid spray back and splashing. Keep container tightly closed when not in use.

Personal Protection Equipment

Eye and Face Protection: If splashing is likely use protective glasses or goggles.

Skin Protection - Hands: Not needed. Extended usage with dermally sensitive individuals may require nitrile gloves.

Skin Protection – Other skin protection: Not needed.

Respiratory Protection: Not needed. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal Hazards: Not needed.

Environmental exposure controls: Do not allow into open waterways and ground water systems.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Liquid	**Vapour Density:**	Not tested
Odor:	Chemical/Detergent inherent	**Relative Density:**	1,022 g/mL
Odor Threshold:	Not determined	**Solubility:**	100% in water
pH:	10,0 – 11,5	**Partition Coefficient:**	Not tested
Freezing Point:	0ºC (32ºF)	**Auto-Ignition Temperature:**	None, see flash point
Boiling Point:	100ºC (213ºF)	**Decomposition Temperature:**	Not tested
Flash Point:	None	**Viscosity:**	Not tested
Evaporation Rate:	Not tested	**Explosive Properties:**	None, see flash point
Flammability:	None, see flash point	**Oxidizing Properties:**	None, contains no oxidizers
Vapour Pressure:	Not determined	**VOCs** CARB Method 310**:**	2,0%
Upper/Lower Flammability or explosive limits:	Not applicable		

10 STABILITY AND REACTIVITY

Reactivity: Not reactive.

Chemical Stability: Under storage at normal ambient temperatures (minus 40° C to + 40° C), the product is stable

Possibility of Hazardous Reactions: None known.

Conditions to avoid: Excessive heat, light or freezing temperatures

10 STABILITY AND REACTIVITY - continued

Incompatible Materials: Materials susceptible to degreasing agents.
Hazardous decomposition products: No known hazardous decomposition products.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity (for mixture)- **Oral (LD_{50}, rat, mg/kg):** > 5000[1] **Dermal (LD_{50}, rat, mg/kg):** > 5000[1]
Inhalation (LC_{50}, rat, mg/l/4h): Contains no ingredients classifiable in this category

Skin Corrosion /Irritation: Non-irritant per Dermal Irritection® assay modeling. No animal testing performed.
Serious Eye damage/Irritation: Slight irritant per Ocular Irritection® assay modeling. No animal testing performed.

Respiratory or skin sensitization: No. [2] **Carcinogenicity:** No. [2]
Germ cell mutagenicity: No. [2] **Reproductive toxicity:** No. [2]
Summary of evaluation of CMR properties: Mixture and ingredients are not classifiable according to CLP in this category.
STOT-single exposure: No. [2] **STOT-repeated exposure:** No. [2]
Aspiration hazard: No. [2]

[1] calculated via (EC) No 1272/2008 on Classification, Labelling and Packaging of substances and mixtures. No animal testing performed.
[2] Mixture, based on ingredients, is not classifiable according to CLP in this category.

12 ECOLOGICAL INFORMATION

Toxicity

Acute		**Chronic**	
Fish:	LC50 for freshwater fish and Daphnia estimated to be > 200 ppm	**Fish:**	Not tested
Crustacea:		**Crustacea:**	Not tested
Algae/aquatic plants:		**Algae/aquatic plants:**	Not tested
Other organisms:	Not tested	**Other organisms:**	Not tested

Persistence and degradability:
Abiotic Degradation: Surfactant degrades abiotically **Physical- and photo-chemical elimination:** Not assessed
Biodegradation: Readily biodegradable per OECD 301D, closed bottle test

Bioaccumulative potential
Partition coefficient n-octanol/ water (log Kow): Not assessed **Bioconcentration factor (BCF):** Not assessed

Mobility in soil
Known or predicted distribution to environmental compartments: Unknown
Surface Tension: Not tested **Adsorption/Desorption:** Not tested

Results of PBT and vPvB assessment: Contains no ingredients known as PBT or vPvB.
Other adverse effects: Unknown
Additional Information: None

13 DISPOSAL CONSIDERATIONS

Unused and Used liquid disposal: May be considered hazardous in your area depending on usage and tonnage of disposal – check product IDS and with local, national and European waste management legislation for appropriate methods of disposal. *Waste should not be disposed of by release to sewers.*
Empty Container disposal Triple rinse plastic bottles and offer all up for recycling.

Never dispose of preparation into lakes, streams, and open bodies of water or storm drains.
Be sure to follow any National or Regional provisions that may be in force.

14 TRANSPORTATION INFORMATION

DOT / TDG: Not classified as hazardous.
IMO / IDMG: Not classified as hazardous.
ICAO-TI/ IATA-DGR: Not classified as hazardous.
ADR / RID / ADN: Not classified as hazardous.
AND tank vessels: Not classified as hazardous.

UN Number: Not applicable
UN Proper Shipping Name: Cleaning Compound
Transport Hazard Class(es): Non-Hazardous
Packing Group: Not applicable
Environmental Hazards: Not applicable
Special Precautions for User: Check section 3, section 7 and IDS for ingredient classification
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

15 REGULATORY INFORMATION

This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

Detergent Regulation 648/2004/EC : Please see separate IDS for full ingredient disclosure

France: Triethanolamine (102-71-6) Occupational Illnesses RG 49
1-butoxy-2-propanol (5131-66-8) Occupational Illnesses RG 84

German Water Classification: Alcohol Ethoxylate (68439-46-3) ID No. 670, Water Hazard Class 2
Triethanolamine (102-71-6) ID No. 201, Water Hazard Class 1
1-butoxy-2-propanol (5131-66-8) ID No. 8304, Water Hazard Class 1
Potassium Silicate (1312-76-1) ID No. 1316, Water Hazard Class 1

Additional Markings: None.

VOC Content: 2,0% (20 g/L) in concentrate

Chemical Safety Assessment: No chemical safety assessment has been carried out for this mixture by the supplier.

16 OTHER INFORMATION

Abbreviations
H314 – Causes severe skin burns and eye damage.
H315 – Causes skin irritation.
H318 – Causes serious eye damage.
H319 – Causes serious eye irritation.
H290 – May be corrosive to metals.
H335 – May cause respiratory irritation.

Classification according to Regulation (EC) Nr. 1272/2008

Classification	Procedure
Eye Corrosive/Irritant, Category 2 – H319	InVitro Irritection Test Data and Calculation

Manufacturer Numbers:

Size	Manufacturer Number			UPC
1 L	13451	0100300113451	0110301213451	0-43318-13451-7
10 L	13459	0100500113459		0-43318-13459-3
10 L	70528			
20 L	13419	0100300113419		0-43318-13419-7
25 L	70529			
208 L	13456	0100300113456	0100500113456	0-43318-13456-2
208 L	70530			
260 gallon	13466	0100300113466		0-43318-13466-1

16 OTHER INFORMATION - continued

The statements in this Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

Date of Issue: 13.02.2020 **Replaces Data Sheet of:** 04.09.2014
Indication of changes: Update to Importer Contact Information in section 1 and date
Responsible Party for SDS: Simple Green Research & Development Department, info@simplegreen.com