Extreme Simple Green® Aircraft & Precision Cleaner

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® Aircraft & Precision Cleaner
Other/Prior Names: 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 tolerant degreasing agents and non-rinsable surfaces.

Company:	Brand Passion Ltd (Trading as Simple Green UK) Quarry Lodge, Stone Quarry Road Chelwood Gate East Sussex RH17 7LS
Telephone:	01825 740575
Fax:	n/a
Email:	info@simplegreen.co.uk
Emergency Telephone: 01825740575 or 07910963727 NHS 111 or a doctor	**Poison Control:** **www.npis.org**

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 with water to 12.5% reduces possibility of eye irritation and removes Signal Word, Hazard Statements and Pictogram from secondary container labels.

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)
Slovenia –	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:	0°C (32°F)	**Auto-Ignition Temperature:**	None, see flash point
Boiling Point:	100°C (213°F)	**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

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.

14 TRANSPORTATION INFORMATION *Continued*

UN Number: Not applicable **Packing Group:** Not applicable
Transport Hazard Class(es): Non-Hazardous
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 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

CONTAINER SIZES (Volume), MANUFACTURER NUMBERS AND UPCs

Size	Case Count	Manufacturer Number	UPC
1 gal/3.78L Jug	4	0110000413406	Item: 0-43318-13406-7 Case: 100-43318-13406-4
5 gal/18.9L Pail	1	0100000113405	Item: 0-43318-13405-0
55 gal/208L Drum	1	0100000113455	Item: 0-43318-13455-5
275 gal/1,040.5L Tote	1	010000013475	Item: 0-43318-13475-3

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: 12.11.2020 **Replaces Prior Data Sheets of:** 13.02.2020; 04.09.2014
Indication of changes: Update to Importer Contact Information in Section 1 and Emergency/Poison numbers; Update of Container Sizes, Manufacturer Numbers and UPCs in Section 16, formatting
Responsible Party for SDS: Simple Green Research & Development Department, info@simplegreen.com