



**SAFETY DATA SHEET (SDS)**

**DeltaGreen<sup>®</sup> Aircraft Exterior/Interior Cleaner**

Issue Date: June 15, 2016

OSHA HCS-2012 / GHS

**Section 1. Identification**

Product name	DeltaGreen Aircraft Cleaner
Manufacturer's Product Number	DG-303
Date of Issue	April 22, 2016
<b>Emergency Telephone Numbers</b>	
For all emergency calls, please contact:	(310) 532 0353
e-mail:	info@deltagreenonline.com
manufacturer:	DeltaGreen Products, Inc
address:	13714 Alma Ave, Gardena CA 90249, USA

**Section 2. Hazards Identification**

This product is not classified as hazardous under 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200).

OSHA HCS 2012

Label Elements

**Signal Word:** None

**Hazard Stements:** None

**Precautionary Stements:** None

**Hazards Not Otherwise Classified (HNOC):** None

**Other Information:**

**Hazard Symbol(s) Pictogram(s):** None required

**Section 3. Composition / Information on Ingredients**

<b>Ingredients</b>	<b>CAS No.</b>	<b>%</b>
De-Ionized Water	7732-18-5	60-70
Alcohol Ethoxylate	Proprietary	5-15
Hydrotrope	Proprietary	5-15
Proprietary Ingredients	N/A	5-15

## **Section 4. First Aid Measures**

- Eye Contact** Immediately flush with plenty of water.
- Skin Contact** Rinse with plenty of running water.
- Inhalation** No adverse health effects anticipated from the solution with exposure.
- Ingestion** If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Call medical attendant, medical doctor, or poison control center.

## **Section 5. Fire Fighting Measures**

**Suitable & Unsuitable Extinguishing Media:** Use Dry chemical, CO<sub>2</sub>, water spray or “alcohol” foam. Avoid high volume jet water.

**Specific Hazards Arising from Chemical:** In event of fire, fire created carbon oxides may be formed.

**Special Protective Actions for Fire-Fighters:** Wear positive pressure self-contained breathing apparatus; wear full protective clothing.

*This product is non-flammable. See Section 9 for Physical Properties.*

## **Section 6. Accidental Release Measures**

### Personal Precautions, Protective Equipment and Emergency Procedures:

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For non-emergency personnel”.

**Environmental precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## Methods and Materials for Containment and Clean Up

**Small spill:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e. g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## **Section 7. Handling and Storage**

### Precautions for Safe Handling

**Protective measures:** Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food, and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## **Section 8. Exposure Controls / Personal Protection**

### **Appropriate engineering control**

**Good general ventilation should be sufficient to control worker exposure to airborne contaminants.**

**Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Exposure limit values:** No components listed with TWA or STEL values under OSHA or ACGIH.

## Individual Protection Measures

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing.

Wash Contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye / face protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shields.

## Skin protection

**Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and risks involved and should be approved by a specialist before handling this product.

**Respiratory protection:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## **Section 9. Physical and Chemical Properties**

BOILING POINT:	201°F	SPECIFIC GRAVITY (H <sub>2</sub> O=1):	1.05
VAPOR PRESSURE @ 20°C:	N/A	MELTING POINT:	N/A
VAPOR DENSITY (AIR=1)	1	EVAPORATION RATE:	Negligible
SOLUBILITY IN WATER:	100%	pH:	10.0 ± 0.5
APPEARANCE & ODOR:	Dark green liquid, mild	VOC:	Dark green liquid, mild

**Section 10. Stability and Reactivity**

<b>Reactivity:</b>	Non-reactive
<b>Stability:</b>	The product is stable
<b>Hazardous Decomposition Reaction:</b>	None known
<b>Condition to Avoid:</b>	Excessive heat and direct sunlight
<b>Hazardous Polymerization:</b>	Will not occur
<b>Incompatible Materials:</b>	Do not mix with oxidizers
<b>Hazardous Decomposition Products:</b>	Normal products of combustion: CO, CO <sub>2</sub>

**Section 11. Toxicological Information**

**Likely Routes of Exposure:**

<b>Eye Contact</b>	Not expected to cause irritation.
<b>Skin Contact</b>	Not expected to cause irritation. Repeated contact may cause dry skin.
<b>Inhalation</b>	No adverse health effects anticipated from the solution with exposure.
<b>Ingestion</b>	May cause upset stomach.

**Symptoms related to the physical, chemical and toxicological characteristics:**

no symptoms expected under typical use conditions.

**Delayed and immediate effects and or chronic effects from short term exposure:**

no symptoms expected under typical use conditions.

**Delayed and immediate effects and or chronic effects from long term exposure:**

headache, dry skin, or skin irritation may occur.

**Interactive effects:** Not known.

The bioassay was performed in accordance with State protocol with duplicate dilutions of 750mg/l, 500mg/l and 250mg/l.

More than 50% of the test species (Pimephales Promelas) survived at a dilution of 750mg/l yielding an LC50 of 750mg/l. In accordance with Title 22, State of California a substance with LC50 >500mg/l is considered non-hazardous.

<b>Skin Corrosion / Irritation:</b>	No animal testing performed
<b>Eye Damage / Irritation:</b>	No animal testing performed
<b>Germ Cell Mutagenicity:</b>	Mixture is not classified under this category
<b>Carcinogenicity:</b>	Mixture is not classified under this category
<b>Reproductive Toxicity:</b>	Mixture is not classified under this category
<b>STOT-Single Exposure:</b>	Mixture is not classified under this category
<b>STOT-Repeated Exposure:</b>	Mixture is not classified under this category
<b>Aspiration Hazard:</b>	Mixture is not classified under this category

## Section 12. Ecological Information

Ecotoxicity:	Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of Chemicals.
Aquatic:	Aquatic Toxicity - Low, based on OECD 201, 202, 203 + Microtox: EC50 & IC50 ≥ 100 mg/L. Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of Chemicals.
Terrestrial:	Not tested on finished formulation.
Persistence and Degradability:	Readily biodegradable per OCED 301D, Closed Bottle Test
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
Other Adverse Effects:	No data available

## Section 13. Disposal Method

**Unused or Used Liquid:** May be considered hazardous in your area depending on usage and tonnage of disposal – check with local, regional, and or national regulations for appropriate methods of disposal.

**Empty Containers:** May be offered for recycling.

Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

## Section 14. Transport Information

<b>U.N. Number:</b>	Not applicable	<b>U.N. Proper Shipping Name:</b>	Cleaning Compound, Liquid NOI
<b>Transport Hazard Class(es):</b>	Not applicable	<b>Class:</b>	55
<b>Packing Group:</b>	Not applicable	<b>Marine Pollutant:</b>	No
<b>Environmental Hazards:</b>	None		

**Transport in Bulk (according to Annex II of MARPOL 73/78 and IBC Code):** Unkown

**Special precautions which user needs to be aware of/comply with , in connection with transport or conveyance either within or outside their premises:** None known.

<b>U.S. (DOT) / Canadian TDG:</b>	Not regulated for shipping
<b>IMO / IDMG:</b>	Not classified as Hazardous
<b>ICAO / IATA:</b>	Not classified as Hazardous
<b>ADR / RID:</b>	Not classified as Hazardous

## Section 15. Regulatory Information

### U. S. Federal Regulations

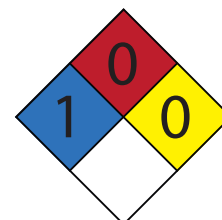
SARA 313 toxic chemical notification and release reporting:	No products were found
Clean Water Act (CWA) 307:	No products were found
Clean Water Act (CWA) 311:	No products were found
Clean Air Act (CAA) 112 regulated toxic substances:	No products were found
State Right to Know Lists:	No products were found

### State Regulations

California Proposition 65	No products were found
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## Section 16. Other Information

<b>NFPA:</b>	<b>Health:</b>	None
	<b>Flammability:</b>	Non Flammable
	<b>Reactivity:</b>	Stable
	<b>Special:</b>	None



### Acronyms

<b>NTP</b>	National Toxicology Program	<b>IARC</b>	International Agency for Research on Cancer
<b>OSHA</b>	Occupational Safety and Health Administration	<b>CPSC</b>	Consumer Product Safety Commission
<b>TSCA</b>	TSCA	<b>DSL</b>	Domestic Substances List

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.*

*Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*