



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identification**

Product Name: **AeroKlean**  
 Product Number: SCW301  
 Product Description: Aircraft cleaner and degreaser.

CAS Number: Blend

**Company Identification**

**NuGeneration Technologies, LLC** [www.nugentec.com](http://www.nugentec.com)  
 1155 Park Avenue, Emeryville, CA 94608 USA  
 (888) 996-8436 (For information) or (202) 483-7616 (CHEMTREC: emergencies)  
 SPECIAL NOTES: This product is Biodegradable.

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0% AeroKlean CONTAINING:

**HAZARDOUS AND/OR REGULATED COMPONENTS**

Chemical Name	Amount	CAS Number
D-LIMONENE	20-30 %	5989-27-5
ANIONIC SURFACTANT	10-20 %	27177-77-1
NONIONIC SURFACTANT BLEND	5-10 %	9016-45-9
DIPROPYLENE GLYCOL MONOMETHYL ETHER	5-10 %	34590-94-8

**NON-HAZARDOUS COMPONENTS: BALANCE NON-HAZARDOUS INGREDIENTS**

Chemical Name	Amount	CAS Number
Water	Balance	7732-18-5

(See Section 8 for exposure guidelines) (See Section 15 for regulatory information)

**HAZARDS DISCLOSURE:** This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains no known hazardous materials.

## 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

The hazards of this product should be low under normal industrial and commercial uses.

<b>Hazardous Material Information System (HMIS):</b>	<b>Health</b>	<b>1</b>
	<b>Flammability</b>	<b>1</b>
	<b>Reactivity</b>	<b>0</b>
	<b>Personal Protection</b>	<b>B</b>

<b>National Fire Protection Association (NFPA):</b>	
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NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

**POTENTIAL HEALTH EFFECTS**

**EYE:** May cause slight irritation.

**SKIN:** No hazard in normal industrial use. Not expected to be a skin irritant.

**INHALATION:** Avoid breathing vapors or mists.

**INGESTION:** Ingestion is not considered a potential route of exposure. Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

**SIGNS AND SYMPTOMS OF EXPOSURE:** If exposed areas are flushed promptly and thoroughly with water, there should be little or no harm.

**CHRONIC EFFECTS:** Prolonged and/or repeated contact may produce mild to moderate skin irritation or inflammation.

**CARCINOGENICITY INFORMATION:** No known cancer hazards.

**MISCELLANEOUS:** Solutions extremely slippery when spilled. Poses little or no immediate hazard.

**4. FIRST AID MEASURES**

**EYE CONTACT FIRST AID:** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

**SKIN CONTACT FIRST AID:** Immediately wash skin with plenty of soap and water. Wash contaminated clothing before reuse. Get medical attention if irritation develops or persists.

**INHALATION FIRST AID:** Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Get medical attention if cough or other symptoms develop. Remove from area of exposure. Seek immediate medical attention if respiratory irritation or distress continues.

**INGESTION FIRST AID:** Swallowing less than an ounce will not cause significant harm. Give milk or water. Contact a physician for further information.

**STATEMENT OF PRACTICAL TREATMENT:** Always have plenty of water available for first aid.

**NOTES TO PHYSICIAN:** Treat patient symptomatically.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES: Auto-ignition Temperature:** None

**COC Flash Point:** >175°F      **TCC Flash Point:** Not tested.

**FLAMMABLE LIMITS IN AIR: LEL:** None      **UEL:** None

**EXTINGUISHING MEDIA:** Will not burn, self-extinguishing.

**FIRE & EXPLOSION HAZARDS:** Material produces dense smoke when burned.

**FIRE FIGHTING INSTRUCTIONS:** Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

**6. ACCIDENTAL RELEASE MEASURES**

**SAFEGUARDS (PERSONNEL):** Protect skin and eyes from exposure.

**INITIAL CONTAINMENT:** Floor may become slippery. Contain spilled material. Wash area to prevent

slipping. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

**LARGE SPILLS PROCEDURE:** Forms smooth, slippery surfaces on floors, posing an accident risk. Clean up spills immediately, observing precautions in Protective Equipment section. Neutralize spill with a weak acid such as vinegar or acetic acid. Flush spill area with water to wastewater treatment system. After removal, flush contaminated area thoroughly with water. Or, absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container and dispose of in an approved sanitary landfill. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

**SMALL SPILLS PROCEDURE:** Floor may become slippery. Wash with water or absorb spills with inert material. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

## 7. HANDLING AND STORAGE

**RECOMMENDED STORAGE TEMPERATURE:** Min: 4°C (40°F)      Max: 38°C (100°F)

**HANDLING (PERSONNEL):** Avoid contact with eyes, skin, and clothing. Empty drums should be completely drained (triple rinsed), properly bunged, and promptly returned to a drum re-conditioner, or properly disposed of. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

**HANDLING (PHYSICAL ASPECTS):** Keep container closed to avoid contamination.

**STORAGE PRECAUTIONS:** Store in a cool dry place. Do not stack drums more than three pallets high. Store in a tightly closed container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**EYE / FACE PROTECTION REQUIREMENTS:** When splashing of the material may occur, chemical goggles and a face shield are recommended.

**SKIN PROTECTION REQUIREMENTS:** Wear protective gloves to minimize skin contact. Nitrile rubber and PVC are suitable protective materials; Neoprene is recommended. Wash hands thoroughly after handling.

**RESPIRATORY PROTECTION REQUIREMENTS:** Under normal use conditions, with adequate ventilation, no special handling equipment is required.

**MISCELLANEOUS:** Wear an apron and protective clothing.

**EXPOSURE GUIDELINES:** Dipropylene Glycol Monomethyl Ether

**OSHA PEL:** 100 ppm, 600 mg/m<sup>3</sup>

**OSHA TWA:** 100 ppm, 600 mg/m<sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid

BOILING POINT: >200°F

SPECIFIC GRAVITY: 1.03 (Water = 1)

MELTING/FREEZING POINT: ~-32°F

% VOLATILES: 25 %

VOLATILE ORGANIC COMPOUNDS (VOC): < 250 g/L

COLOR, (ODOR): Clear Yellow, (Orange scent)

SOLUBILITY IN WATER: Complete

BULK DENSITY: 8.6

pH: 9

pH (5% B.V.): 8.5

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

**POLYMERIZATION:** Hazardous polymerization will not occur.

**DECOMPOSITION:** Decomposition will not occur if handled and stored properly. Product may decompose at temperatures above 270°C and release carbon, nitrogen or oxides.

**CONDITIONS TO AVOID:** This material is safe under normal storage and handling conditions.

## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** This product is minimally irritating to the eyes upon direct contact.

**SKIN EFFECTS:** This product is not expected to cause any skin irritation upon direct single or repeated and prolonged contact.

**ACUTE ORAL EFFECTS:** No known hazards in normal industrial use.

**ACUTE INHALATION EFFECTS:** No known hazards in normal industrial use.

**REPRODUCTION AND BIRTH EFFECTS:** There are no known or reported effects on reproductive function or fetal development.

**CHRONIC EFFECTS:** There are no known or reported effects from repeated exposure.

## 12. ECOLOGICAL INFORMATION

No information available.

## 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Unclean empty containers should be disposed of in the same manner as the contents. Dilute or neutralize with acid and discharge to an industrial sewage treatment facility. Or bury in an approved sanitary landfill. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. For additional waste disposal information contact your local NuGenTec representative at (888)99-NuGen.

**CONTAMINATED MATERIALS:** Wash contaminated clothing before reuse.

**CONTAINER DISPOSAL:** Clean out containers prior to disposal.

## 14. TRANSPORTATION INFORMATION

PRODUCT LABEL: AeroKlean  
D.O.T. SHIPPING NAME: Cleaning Compound  
TECHNICAL SHIPPING NAME: Class 55  
D.O.T. HAZARD CLASS: Non-Hazardous  
UN NUMBER: N/A  
PRODUCT RQ (LBS): N/A  
D.O.T. LABEL: NOBIN Non-Hazardous  
D.O.T. PLACARD: N/A  
BULK CLASS: N/A  
PACKAGE CLASS: 55

**MISCELLANEOUS:** Export Classification, organic surface active agents (other than soap), washing preparations and cleaning preparations, schedule B # 3402.90.5030.

**15. REGULATORY INFORMATION**

**EEC Symbols and Indications of Danger:** None

**FDA (FOOD AND DRUG ADMINISTRATION):** This Product Meets FDA/USDA requirements for cleaning in the food processing industry.

**MISCELLANEOUS INFORMATION:** This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS).

**16. OTHER INFORMATION**

PREPARED BY: Donato Polignone  
SUPERCEDES DATE: May 25, 2007

APPROVAL DATE: May 10, 2010  
PRD NUMBER: SCW301 (Official Copy)

**ADDITIONAL INFORMATION:** The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of NuGeneration Technologies, LLC. The data on this sheet are related only to the specific material designated herein. NuGeneration Technologies, LLC assumes no legal responsibility for use or reliance upon these data.

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