



SAFETY DATA SHEET

(Previously identified as MSDS: Material Safety Data Sheet)

Issue Date 1-May -2014

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Version 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: AEROGREEN 4135 Fleet Wash
Other Means of Identification AEROGREEN 4135 Fleet Wash
SDS # AG4135

Recommended Use of the Chemical and Restrictions on

Use Recommended Use Industrial High Pressure
Cleaning for all types of commercial vehicles and equipment

Details of the Supplier of the Safety Data Sheet

Supplier Address

Hi-Lite Solutions
P.O. Box 399
1285 Brucetown Road
Clear Brook VA 22624

Emergency Telephone Number

Company Phone Number 1-540-450-8375
Emergency Telephone 1-540-450-8375

2. HAZARDS IDENTIFICATION

Emergency Overview: This is a green colored liquid with a slight characteristic odor.

NFPA/HMIS Rating:

Health, 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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

No hazardous ingredients.

Composition comments the manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200. Composition Data Sheets (CDS) are available upon request identifying all ingredients.

*** As outlined in “The Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)), revised in 2012,” states that the chemical name and concentration (i.e. exact percentage) of all ingredients which are ***classified as health hazards*** and are: Present above their cut-off/concentration limits or Present a health risk below the cut-off/concentration limits are to be listed .

4. FIRST AID MEASURES

First Aid Measures

Inhalation	If adverse effect occurs, move to fresh air
Eye Contact	Flush with plenty of water. After 5minutes of flushing, remove contact lenses, if present. Continue flushing for at least 10 more minutes. If irritation persists seek medical attention.
Ingestion	Drink plenty of water to dilute.
Skin Contact	If adverse effect occurs, rinse skin with water.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	This is relatively innocuous substance not expected to cause harm. Should treatment ever be required, it would be directed at control of symptoms.
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5. FIRE-FIGHTING MEASURES

This formula is stable, non-flammable, and will not burn. No special procedures necessary

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 created carbon oxides, oxides of phosphorus may be formed.
Special Protective Equipment:	Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

Specific Hazards Arising from the Chemical

None known. Cool containers exposed to flames with water until well after the fire is out.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

- Personal Precautions** See Section # 8. Personal Protection: Use personal protective equipment as required.
- Environmental Precautions** Do not allow into open waterways or ground water systems.
- Methods Cleaning Up** Dilute with water and rinse into sanitary sewer system or soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for Safe Handling

- Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines	OSHA PEL	ACGIH TLV
	No reportable ingredients	

Appropriate Engineering Controls

- Engineering Controls** Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. Showers. Eyewash stations.

Individual Protection Measures, such as Personal Protective Equipment



Eye/Face Protection Wear approved safety goggles if splashing or spray back is likely.



Skin and Body Protection Butyl rubber or other impervious gloves should be used for prolonged exposure or for dermal sensitive individuals are required.

Respiratory Use in well ventilated area. If occupational exposure limits are exceeded, use NIOSH approved respirator with organic vapor cartridges and dust/mist pre-filter.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid
Appearance	Green Liquid
Color	Green
Odor	Slight Characteristic Odor
Odor Threshold	Not Determined
Boiling Point	F: 212 C: 98
Solubility in Water	100%
Freezing Point	F: <32 C: <0
pH of Concentrate	11.8-12.4
pH of Diluted 1:3 with water	10.9-11.9
Vapor Pressure (mmHg)	
<u>20°C @14.2 mmHg</u>	F:77
Specific Gravity (H2O=1)	1.01
VOC SCAQMD Method 313.91	
In Concentrate	30 gm/l
Diluted 2:1 with water	10 gm/l
VOC Content Method 310	
In Concentrate	0.25%
Diluted 2:1 with water	0.08%
Density	8.45 lbs/per gallon

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

None under normal conditions

Incompatible Materials

None Known

Hazardous Decomposition Products

Normal products of combustion-Co, Co2.

11. TOXICOLOGICAL INFORMATION

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

Acute Toxicity: Oral Id₅₀ (rat) >5 g/kg body weight
 Dermal LD₅₀(rabbit) >5 g/kg body weight

Calculated via OECD Harmonized Integrated Classification System for Human Health & Environmental Hazards of Chemical Substance & Mixtures

Eye Contact

Avoid contact with eyes. Minimal irritant per Ocular Irritation @assay modeling.

No animal testing performed.

Skin Contact

May cause dryness and irritation. Non-irritant per dermal irritation® assay modeling.

No animal testing performed.

Carcinogens: No ingredients are listed by OSHA, IARC, or NTP as known or suspected carcinogens

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:	Low, based on OECD 201, 202, 203 + Microtox: EC ₅₀ & IC ₅₀ > 100 Mg/L
Terrestrial Toxicity:	Low, based on toxicology profile
Persistence and degradability:	Readily Biodegradable per 49 CFR 796.3100Aerobic Aquatic Biodegradation
Mobility:	No Data Available.
Bioaccumulation:	Not Applicable

This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Unused Product:	* Dilute with water and dispose by sanitary sewer. * 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 water, containing low concentrations of contaminants, resulting from the cleaning of containers etc. into lakes, streams, and open bodies of water or storm drains.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

U.S. (DOT)/ Canadian TDG:	Not Regulated for shipping.
IMO/IMDG:	Not classified as Hazardous
ICAO/IATA:	Not classified as Hazardous
ADR/RID:	Not classified as Hazardous
U.N.Number:	Not applicable
Proper Shipping Name:	Detergent/Cleaning Solution
Shipping Class	55
Hazard Class:	Non-Hazardous
Marine Pollutant	

15. REGULATORY INFORMATION

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

SARA Title III:

Sections 311/313 –Not applicable.
 Sections 313 –Not applicable.
 Sections 302 –Not applicable.

State Right to Know Lists:
 CA Prop 65:

No ingredients listed.
 None listed

WHMIS Classification:

Non Hazardous, not classifiable

Name
 NO

Toxic Substance List- Schedule 1 CEPA
 No

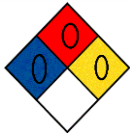
NPRI Inventory
 NO

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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.

16. OTHER INFORMATION



NFPA/HMIS Rating:
Health, Fire, Reactivity, and Special = 0 =minimal

Part Number Size

4135-PI 5- Gallon Pail
 4135-Dr 55-Gallon Drum
 4135-275T 275 Gallon Tote
 4135-330T 330 Gallon Tote

Warranty1 (one) Year Shelf Life
 Batch Code: Containers of this formula will be batch coded as follows: Lot # 111213 where
 “1” Number of Batch Produced
 “11” Month Batch is Produced
 “21” Day in the Month Batch is produced
 “3” is the last digit of the year product produced

.Prepared/Revised by: Hi-Lite Solutions Inc, Regulatory Department
 This SDS has been revised in the following sections: ALL

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet