



# LeafShield

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## SAFETY DATA SHEET

### SECTION 1 – IDENTIFICATION

Product Name.....	LeafShield	CAS #: N/A, Preparation
Trade Name.....	LeafShield	
Chemical Name.....	N/A, Preparation	Date Prepared: 05.05.2015
Chemical Family.....	Anionic wax emulsion	Prepared by: Pedro Perdomo

### SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	INGREDIENT % RANGE
Water	7732-18-5	65 – 70
Paraffin wax	8002-74-2	10 – 20
Ethene, homopolymer, oxidized, potassium salt	68441-73-6	5 – 10
Linear primary alcohol ethoxylate	34398-01-1	5 – 10

### SECTION 3 – HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Product is stable under normal conditions.

WARNING STATEMENTS: Based on currently available data, this product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling it.

#### POTENTIAL HEALTH EFFECTS

**Acute Eye:** Slightly irritating. May cause redness, irritation on prolonged contact.

**Acute Skin:** Slightly irritating. May cause redness, irritation on prolonged contact.

**Acute Inhalation:** No ill effects expected.

**Acute Ingestion:** Low oral toxicity. May cause nausea, diarrhea, and abdominal cramps.

**Chronic Effects:** This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

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## SECTION 4 – FIRST AID MEASURES

**Eye Exposure:** Flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

**Skin Exposure:** Immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before reuse.

Skin contact may aggravate existing skin disease.

**Inhalation:** Remove to fresh air. Seek medical attention if respiratory irritation or distress continues.

**Ingestion:** If victim is conscious and alert, give 1 to 2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

**NOTES TO PHYSICIAN:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

### FIRE HAZARD DATA:

**Flash Point and Method:** None.                      **Flammability Limits (vol/vol%):** Lower: N/A    Upper: N/A

**Autoignition Temperature:** N/A

**Extinguishing Media:** Carbon dioxide, Dry chemical, Multi-purpose foam, Water fog.

**Special Fire Fighting Procedure:** Cool and use caution when approaching and handling fire-exposed containers. Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

**Unusual Fire and Explosion Hazards:** None.

**Hazardous Decomposition Products:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill or Leak Procedures:** Keep material out of streams and sewers. Absorb spilled material on commercial oil absorbent or sand. Put contaminated absorbent into a DOT approved container and dispose of according to the methods outlined in Section 13, "Disposal Considerations".

## SECTION 7 – HANDLING AND STORAGE

**Handling:** Avoid contact with skin and eyes. Wash hands thoroughly after handling. If the generation of airborne material cannot be avoided, control exposure with local exhaustion ventilation and/or personal protective equipment as described in Section 8, "Exposure Controls/Personal Protection".

**Storage:** Containers should be stored in a cool, dry, well-ventilated area. Store away from foodstuffs and animal feed. Exercise due caution to prevent damage to or leakage from the container.

## SECTION 8 – EXPOSURES CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels.

**Respiratory Protection:** Use appropriate respiratory protection to prevent overexposure.

**Skin Protection:** Suitable gloves, boots and apron.

**Eye/Face Protection:** Chemical splash-proof goggles.

**Other Protective Measures:** In case of spills, see Section 6.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Appearance:</b> transparent liquid.	<b>Odor:</b> Mild	<b>Vapor Density (Air=1):</b> approx. 1.0
<b>Flash Point:</b> None.	<b>Test Method:</b> N/A	<b>Vapor Pressure:</b> 17.5 mmHg @ 25°C.
<b>pH:</b> 9.5 – 11.5		<b>Solubility (water, 25°C):</b> Complete
<b>Boiling Point:</b> 100°C (212°F)	<b>Freezing Point:</b> 0°C (32°F)	<b>Specific Gravity, g/ml:</b> approx. 1.0
<b>Percent Volatile by Weight:</b> 70.0		<b>Evaporation Rate (Butyl Acetate=1):</b> approx. 1.0

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable at normal conditions. **Stability-Conditions to avoid:** Excess heat.

**Materials to Avoid:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

**Hazardous Polymerization:** Will not occur.

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Eye Effects:** Minimally irritating.

**Skin Effects:** Mildly irritating.

**Dermal LD<sub>50</sub>:** No data available

**Inhalation LC<sub>50</sub>:** No data available

**Oral LD<sub>50</sub>:** No data available.

**Acute Effects from Overexposure:** This product has low acute oral, dermal and inhalation toxicity. It is mildly irritating to the skin, eyes, mucous membranes and respiratory tract.

**Chronic Effects from Overexposure:** No data available

**Chronic Toxicity:** This material does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be “probable” or “suspected” human carcinogens.

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicological Information:** No data available.

**Chemical Fate:** This product is biodegradable.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal Information:** An acceptable method of disposal is to burn in an incinerator in accordance with all local, state, and federal environmental laws, rules and regulations, standards and other requirements. The appropriate regulatory agencies should be contacted prior to disposal.

**Container Handling and Disposal:** Any containers or equipment used should be decontaminated immediately after use.

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## SECTION 14 – TRANSPORT INFORMATION

### Shipping Description

This material is NOT REGULATED as hazardous material for either domestic or international transport by any mode.

### Required Labels

NOT REGULATED for shipping, no transport labels required.

### Environmentally Hazardous Substance

This material is NOT classified as an environmentally hazardous substance.

## SECTION 15 – REGULATORY INFORMATION

### CHEMICAL INVENTORY STATUS

United States (TSCA): Yes

Canada (DSL): Yes

Canada (NDSL): No

Europe (EINECS): Yes

Australia (AICS): Yes

New Zealand (HSNO): Yes

Japan(ENCS): Yes

South Korea(ECL): Yes

Philippines (PICCS): Yes

### FEDERAL REGULATIONS

**Inventory Issues:** The components of this product are listed in the US EPA's Initial Inventory of the **Toxic Substance Control Act (TSCA)**.

### SARA Title III Hazard Classes:

**Fire Hazard:** No

**Reactive Hazard:** No

**Release of Pressure:** No **Acute Health Hazard:** No

**Chronic Health Hazard:** No

### STATE REGULATIONS

This material does not contain any components that are regulated under **California Proposition 65**.

This product complies with **US Coalition of Northeast Governors (CONEG)**. The sum of the heavy metals Lead, Cadmium, Mercury and Hexavalent Chromium is less than 100 ppm.

## SECTION 16 – OTHER INFORMATION

### HMIS Rating

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PROTECTIVE EQUIPMENT	B

### KEY:

4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal  
Protection=B (goggles and gloves)

HMIS – Hazardous Materials Identification System

## PREPARATION INFORMATION

The information contained herein is furnished without warranty of any kind. Employers should use this only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.