

## 1. CHEMICAL PRODUCT AND COMPANY DESCRIPTION

AQUATROLS CORPORATION OF AMERICA

1273 IMPERIAL WAY

PAULSBORO, NJ 08066 USA

### Emergency Phone Numbers:

For chemical emergency spill, leak, fire, exposure or accident, call CHEMTREC Day or Night: Domestic North America 800-424-9300. International call 703-527-3887 (collect calls accepted).

**For Product Information:** 800-257-7797 or [www.aquatrols.com](http://www.aquatrols.com)

**Chemical Name or Synonym:** Transpiration minimizer, anti-transpirant; paraffin emulsion

**C.A.S. Number:** Mixture – no single C.A.S. number available.

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Reg Number	Weight%	**Exposure Limits**	
			OSHA/PEL	ACGIH/TLV
Water	7732-18-5	70	N/A	N/A
Paraffin Emulsion	Proprietary*	30	Not established	Not established

\* Trade secret as allowed by 29 CFR 1910.1200-48

## 3. HAZARDS IDENTIFICATION

### A. Emergency Overview:

**Physical Appearance and Odor:** White emulsion, mild waxy odor

**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 this product.

### B. Potential Health Effects:

**Primary Route of Entry:** Routes of entry for liquids include eye and skin contact, ingestion and inhalation.

#### Effect of Overexposure:

**Acute Eye:** May cause redness or slight irritation.

**Acute Skin:** Prolonged or repeated skin contact may result in slight, temporary irritation.

**Acute Inhalation:** Not a likely route of entry for this product.

**Acute Ingestion:** May result in temporary nausea or diarrhea.

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

## 4. FIRST AID MEASURES

**EYE CONTACT:** DO NOT RUB EYES. Immediately flush eyes with large amounts of water for 15 minutes lifting the lower and upper lids. Seek medical attention if necessary.

**SKIN CONTACT:** Remove contaminated clothing and immediately wash affected area with large amounts of water for at least 5 minutes. If irritation or redness persists, seek medical attention as needed.

**IF SWALLOWED:** If person is conscious, give large amounts of water to drink. Seek medical attention if necessary. Do not induce regurgitation.

**INHALATION:** Move individual to fresh air and check to assure adequate respiration. Seek medical attention if necessary.

**Medical Conditions Possibly Aggravated by Exposure:** Skin contact may aggravate existing skin conditions / diseases.

**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. No specific antidote is available.

## 5. FIRE FIGHTING MEASURES

**Flash Point:** None to boiling    **Flammability Class:** N/A    **Method Used:** N/A  
**Flammability Limits (vol/vol%):**    **Lower:** N/A    **Upper:** N/A

**Extinguishing Media:** N/A

**Special Fire Fighting Procedures:** Use water spray to cool drums exposed to fire.

**Unusual Fire and Explosion Hazards:** None

**Hazardous Decomposition Materials (Under Fire Conditions):** None

## 6. ACCIDENTAL RELEASE MEASURES

**Evacuation Procedures and Safety:** See Personal Protection information in Section 8.

**Containment of Spill:** Follow procedure described below.

**Cleanup and Disposal of Spill:** Contain material by diking the area around the spill. Coagulate with either dry calcium chloride or with a concentrated solution of calcium chloride. Small spills should be mopped up immediately. Sweep or otherwise collect into recovery drums and dispose of properly. Both the emulsion and the dried film may present a slip hazard. (A comprehensive spill response plan should be developed and implemented).

**Environmental and Regulatory Reporting:** Do not flush to drain. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

## 7. HANDLING AND STORAGE

**Minimum/Maximum Storage Temperature:** Ideal temperatures are 45-85°F. Avoid freezing temperatures and temperatures above 120°F.

**Handling:** Avoid direct or prolonged contact with eyes and skin.

**Storage:** Store in tightly closed containers. Store in an area that is dry, well-ventilated, away from ignition sources, and away from incompatible materials. See Section 10 for Stability and Reactivity information.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Introductory Remarks:** These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

**Exposure Guidelines:** No exposure limits were found for this product or any of its' ingredients.

**Engineering Controls:** Use under normal ventilation. No additional engineering controls are required.

**Respiratory Protection:** Not required.

**Eye/Face Protection:** Wear appropriate protective safety goggles as described in 29 CFR 1910.133. An eyewash station is recommended.

**Skin Protection:** Skin contact should be minimized through use of appropriate clothing and suitable long-sleeved clothing (i.e., shirts and pants) and impervious work gloves.

**Work Practice Controls** Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material.

1. Do not store, use, and/or consume food, beverages, tobacco products, or cosmetics in area where this material is stored.
2. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3. Wash exposed skin promptly to remove accidental splashes of contact with this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

**Physical Appearance:** White emulsion

**Odor:** Mild waxy odor

**pH:** Not established

**Specific Gravity:** 0.94 – 0.98

**Water Solubility:** Dispersible

**Boiling Point Range:** 212°F (100°C)  
**Vapor Pressure:** 17.5 mm @ 25°C  
**Vapor Density (air = 1):** Approx. 1

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** This material is stable under normal handling and storage conditions described in Section 7.

**Conditions to be Avoided:** Keep away from heat, sparks and open flames.

**Materials/Chemical to be Avoided:** Avoid contact with strong oxidizing agents.

**The following Hazardous Decomposition Products might be Expected:**

**Decomposition Type: Thermal** None

**Hazardous Polymerization:** Will not occur

**Avoid the Following to Inhibit Hazardous Polymerization:** N/A

## 11. TOXICOLOGICAL INFORMATION

**Acute Eye Irritation: Toxicological Information and Interpretation:** No data available.

**Acute Skin Irritation: Toxicological Information and Interpretation:** No data available.

**Acute Dermal Toxicity: Toxicological Information and Interpretation:** No data available.

**Acute Respiratory Irritation: Toxicological Information and Interpretation:** No data available.

**Acute Inhalation Toxicity: Toxicological Information and Interpretation:** No data available.

**Acute Oral Toxicity: Toxicological Information and Interpretation:** No data available.

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

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity Information:** No data available

**Environmental Fate Information:** No data available

**Chemical/Physical Information:** No data available

**Waste Disposal Method:** Dispose of wastes in a manner consistent with federal, state, and local regulation.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

## 14. TRANSPORTATION INFORMATION

**US Department of Transportation Shipping Classification:** Petroleum resin wax emulsion compound liquid

**Hazard Class:** None

## 15. REGULATORY INFORMATION

**Inventory Status:**

Inventory	Status
UNITED STATES (TSCA)	Y
CANADA (DSL)	Y
EUROPE (EINECS/ELINCS)	ND
AUSTRALIA (AICS)	ND
JAPAN (MITI)	ND
SOUTH KOREA (KECL)	ND



# LeafShield™

Material Safety Data Sheet    Date Prepared: March 3, 2008

Supersedes Date: March 1, 2005

- Y: All ingredients are on the inventory.
- E: All ingredients are on the inventory or exempt from listing.
- P: One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.
- ND: Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

**FEDERAL REGULATIONS:**

**Inventory Issues:** All functional components of this product are listed on the TSCA inventory.

**SARA Title III Section 313:** N/A

**SARA Title III Hazard Classes:**

Fire Hazard	NO
Reactive Hazard	NO
Release of Pressure	NO
Acute Health Hazard	NO
Chronic Health Hazard	NO

**OTHER FEDERAL REGULATIONS:**

**FDA Status:** N/A

**FIFRA Status:** N/A

**STATE REGULATIONS:** N/A

**WHMIS:** N/A

<b>16. OTHER INFORMATION</b>
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**National Fire Protection Association Hazard Ratings – NFPA (R):**

- 1 Health Hazard Rating -- Slight
- 0 Flammability Rating -- Minimal
- 0 Reactivity Rating -- Minimal

**National Paint and Coating Hazardous Materials Identification System - HMIS(R):**

- 1 Health Hazard Rating -- Slight
- 0 Flammability Rating -- Minimal
- 0 Reactivity Rating -- Minimal

**Reason for Revisions:** Reviewed March 3, 2008. This MSDS replaces the March 1, 2005, MSDS.

**Key Legend Information:**

ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
TLV	Threshold Limit Value
PEL	Permissible Exposure Limit
TWA	Time Weighted Average
STEL	Short-Term Exposure Limit
NTP	National Toxicology Program
IARC	International Agency for Research on Cancer
ND	Not determined

**Disclaimer:**

While the information and recommendations set forth herein are believed to be accurate, we make no warranty with respect hereto and disclaim all liability from reliance thereon.

**End of MSDS Document**