

## 1. IDENTIFICATION

**Product Name:** Nu-Arbor Anti-Transpirant

**Identified Uses:** Additive (agriculture). Not for human consumption.

**Supplier:** Grand Arbor Group, Inc. dba  
Nu-Arbor Tree and Shrub Care  
1730 Olson NE Ste A  
P.O. Box 151455  
Grand Rapids, MI 49515

**Telephone:** (888) 773-8777 / (616) 456-8040

**FAX:** (616) 456-7780

**Email:** info@nu-arbor.com

**CHEMTREC**

**Emergency Telephone:** (800) 424-9300

## 2. HAZARDS IDENTIFICATION

Classification:

Eye Irritant 2B H320

STOT SE3 H335

STOT SE3 H336

Hazard pictogram:



Signal word: Caution

Hazard statements: H320 – May cause eye irritation  
H335 – May cause respiratory irritation  
H336 – Breathing vapors may cause dizziness or drowsiness

Precautionary statements: P261 – Avoid breathing vapors  
P264 – Wash thoroughly after handling  
P271 – Use only outdoors or in a well ventilated area  
P273 – Avoid release to aquatic environment  
P280 – Wear protective gloves/clothing/eyewear/face  
P302+P352 – If on skin: Wash with plenty of soap and water  
P304+P340 – If inhaled: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P312 – Call a poison center/doctor if you feel unwell  
P332+P313 – If skin irritation occurs: Get medical advice/attention  
P337+P313 – If eye irritation occurs: Get medical advice/attention  
P403+P233 – Store in a well-ventilated place. Keep container tightly closed.  
P501 – Dispose of contents/container in accordance with local/regional/national regulations

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Blend of the following ingredients:

Chemical Compound	CAS Number	Percentage
Potassium Phosphate	7758-11-4	10-40% solids
Mixture/Confidential	NA	10 – 40%
Water		Remainder

\*Ingredients not specifically listed are non-hazardous and/or are considered to be confidential

### 4. FIRST AID MEASURES

If in Eyes:	Hold eyelid open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. If irritation develops and persists, call a poison control center or doctor immediately for treatment advice.
If on Skin:	Wash skin with soap and water. Get medical attention if irritation develops.
If Swallowed:	Do not induce vomiting unless told to do so by a poison control center or doctor. Have a person sip a glass of water if able to swallow. Do not give anything to an unconscious or convulsing person. Call a poison control center or doctor immediately for treatment advice.
If Inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Hotline Number:	Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of emergency, call ChemTrec at 1-800-424-9300.

### 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Foam. Dry Powder. Carbon dioxide. Water spray. Sand. Use extinguishing media for underlying cause of fire. Do not use heavy water stream.
Advice for firefighters:	Wear self-contained breathing apparatus and full protective equipment. Use water spray to cool containers exposed to heat and flame. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Special Fire and Explosion Hazards:	In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

Spill procedure:	Spilled liquid and dried film are slippery. Capture product and reuse material if uncontaminated. If contaminated, place in a suitable container for proper disposal. Prevent entry to sewers and water supplies. Wash spill area with soap and water.
Protective Equipment:	Equip cleanup crew with proper protection.
Emergency Procedures:	If indoors: ventilate area

### 7. HANDLING AND STORAGE

Precautions for safe handling:	Wash hands and exposed areas with soap and water before eating, drinking, or smoking. Provide good ventilation in process area. Avoid breathing vapors.
Storage Conditions:	Keep in containers closed when not in use and properly labeled. Avoid generating dust. Minimize contact with air to reduce contamination with mold, fungus, or other organisms which could cause decomposition or spoilage. Empty container contains product residue which may exhibit hazards of product.

Other specific storage conditions: Store where temperatures are between 10-38 degrees C (50-100 degrees F). Do not freeze. Storage tanks, pumps, piping, and fittings should all be of stainless steel, glass lined carbon steel, glass reinforced polyester, or epoxy or phenolic coated carbon steel. Avoid use of zinc, copper, iron, aluminum, or low carbon steel.

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Personal Protective Equipment:** Avoid all unnecessary exposure.

**Hand protection:** Wear protective gloves if exposure is expected.

**Eye protection:** Wear protective eyewear.

**Respiratory protection:** Use NIOSH/MSHA approved respirator with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for poorly ventilated areas and for large spill clean-up sites.

**Other information:** Use material in a well-ventilated area only. Additional ventilation or exhaust may be required. Do not eat, drink, or smoke during use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical description:** Hazy or milky liquid

**Color:** White

**Odor:** Slight acrylate odor

**Odor threshold:** No data available

**Vapor density:** < 1

**pH:** 7.6 – 8.4

**Relative density:** 1.1

**Melting/freezing point:** 0 degrees (32 degrees F)

**Solubility:** Soluble in alkaline water

**Boiling point:** 100 degrees C (212 degrees F)

**Flash point:** Not applicable

**Flammability:** No data available

**Vapor Pressure:** 17 mm Hg (20°C)

**Partition coefficient:** No data available

**Auto-ignition temperature:** No data available

**Viscosity:** No data available

### 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable

**Conditions to avoid:** Do not freeze. Lowering the pH will cause precipitation.

**Incompatibility with other materials:** Strong oxidizing agents. Materials that are not compatible with water.

**Hazardous combustion:** Will not occur.

**Hazardous polymerization:** Will not occur.

**Thermal Decomposition:** Thermal decomposition and combustion are not expected to occur except under extreme conditions. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids.

## 11. TOXICOLOGY

### Potential acute health effects:

**Eyes:** Weak to moderate eye irritant. Vapors may cause irritation.

**Skin:** Not expected to be a primary skin irritant. Repeated or prolonged skin contact may cause irritation.

**Ingestion:** Harmful if swallowed.

**Inhalation** Vapors may cause respiratory tract irritation.

**Other:** OSHA PEL: 400 PPM. OSHA STEL: 500 PPM.

### Potential chronic health effects

**Chronic effects:** No known significant effects or critical hazards

**Carcinogenic effects:** No known significant effects or critical hazards.

**Mutagenic effects:** No known significant effects or critical hazards.

**Reproductive toxicity:** No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**Environmental Precautions:** No known significant effects or critical hazards

**Mobility:** Not available

**Other Adverse Effects:** No known significant effects or critical hazards

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** This material must be disposed of according to federal, state, or local procedures under the resource conservation and recovery act.

## 14. TRANSPORT INFORMATION

**Shipping Name:** Not regulated by DOT

**Hazard Class:** None

**Identification No.:** None

**Labels Required:** None

**Placarding:** None

## 15. REGULATORY INFORMATION

**HCS Classification:** **Irritating material**  
**Sensitizing material**

**U.S. Federal regulations:** TSCA 8(a) IUR Exempt/Partial exemption: Not determined  
United States inventory (TSCA 8b): All components are listed or exempted.  
Clean Air Act (CAA) 112 accidental release prevention: No products were found.  
SARA 302/304/311/312 extremely hazardous substances: No products were found.  
SARA 302/304 emergency planning and notification: No products were found.  
SARA 302/304/311/312 hazardous chemicals: No products were found.  
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

USA

TSCA 8(a) IUR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted.

International regulations/ International lists:

Australia inventory (AICS): All components are listed or exempted.

China inventory (IECSC): All components are listed or exempted.

Japan inventory: All components are listed or exempted.

Korea inventory: All components are listed or exempted.

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

### 16. OTHER INFORMATION

**DISCLAIMER:** The information presented herein is based on available data from reliable sources and is correct to the best of NU-ARBOR knowledge. NU-ARBOR makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions.

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