



Section 1: IDENTIFICATION

Product Name: Anti-Desiccant

Synonyms: Not available.

Product Use: Forms a transparent film protecting trees, shrubs and other plantings from excessive drying out.

Restrictions on Use: Not available.

Manufacturer/Supplier: Plant Products Inc.
50 Hazelton Street
Leamington, Ontario N8H 1B8

Phone Number: 519-326-9037
Toll free number 1-800-387-2449 (English)
Toll free number 1-800-361-9184 (French)

Emergency Phone: CANUTEC: 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone

Date of Preparation of SDS: December 19, 2016

Section 2: HAZARD(S) IDENTIFICATION

GHS INFORMATION

Classification: Not hazardous according to OSHA criteria (29 CFR 1910.1200).
Not hazardous according to WHMIS 2015 criteria.

LABEL ELEMENTS

Hazard None.

Pictogram(s):

Signal Word: None.

Hazard Not applicable.

Statements:

Precautionary Statements

Prevention: Not applicable.

Response: Not applicable.

Storage: Not applicable.

Disposal: Not applicable.

Hazards Not Otherwise Classified: Not applicable.

Ingredients with Unknown Toxicity: None.

This material is not considered hazardous by the OSHA Hazard Communication Standard, (29 CFR 1910.1200).

This material is not considered hazardous by the Hazardous Products Regulations.

**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

| Ingredient(s) | Common name / Synonyms | CAS No. | % wt./wt. |
|--|--|-----------|-----------|
| 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate | Ethyl acrylate, copolymer with methyl methacrylate | 9010-88-2 | ≥ 46 - 48 |
| Ammonium hydroxide ((NH ₄)(OH)) | Ammonium hydroxide | 1336-21-6 | ≤ 0.2 |
| 2-Propenoic acid, ethyl ester | Ethyl acrylate | 140-88-5 | < 0.05 |
| 2-Propenoic acid, methyl ester | Methyl acrylate | 96-33-3 | < 0.05 |

Section 4: FIRST-AID MEASURES

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| Inhalation: | If inhaled: Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. |
| Eye Contact: | If in eyes: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: Not expected to cause eye irritation. |
| Skin Contact: | If on skin: Wash with plenty of water. Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: May cause transient skin irritation. Signs/symptoms may include localized redness, swelling, and itching. |
| Ingestion: | If swallowed: Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea. |
| General Advice: | In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible). |
| Note to Physicians: | Symptoms may not appear immediately. |

Section 5: FIRE-FIGHTING MEASURES**FLAMMABILITY AND EXPLOSION INFORMATION**

Not flammable or combustible by OSHA/WHMIS criteria. Material can splatter above 100 °C (212 °F). Dried product can burn.

Sensitivity to Mechanical Impact: This material is not sensitive to mechanical impact.

Sensitivity to Static Discharge: This material is not sensitive to static discharge.



MEANS OF EXTINGUISHION

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: Oxides of carbon. Oxides of nitrogen. Ammonia. Acrylic monomers.

Protection of Firefighters: Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Personal Precautions: Material can create slippery conditions. Do not touch or walk through spilled material. Use personal protection recommended in Section 8.

Environmental Precautions: Keep out of drains, sewers, ditches, and waterways.

Methods for Containment: Stop leak if without risk. Do not flush to sewer or allow to enter waterways.

Methods for Clean-Up: Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Other Information: See Section 13 for disposal considerations.

Section 7: HANDLING AND STORAGE

Handling:
Do not swallow. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. See Section 8 for information on Personal Protective Equipment.

Storage:
Keep container tightly closed. Store at temperatures between 1 to 49 °C (33.8 to 120.2 °F). Keep from freezing - product stability may be affected. STIR WELL BEFORE USE. Keep out of the reach of children.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines
Component**

Ethyl acrylate, copolymer with methyl methacrylate [CAS No. 9010-88-2]

ACGIH: No TLV established.

OSHA: No PEL established.

Ammonium hydroxide [CAS No. 1336-21-6]

ACGIH: No TLV established.

OSHA: No PEL established.



Ethyl acrylate [CAS No. 140-88-5]

ACGIH: 5 ppm (TWA); 15 ppm (STEL); A4 (1986)

OSHA: 25 ppm (TWA), 100 mg/m³ (TWA); Skin.
5 ppm (TWA); 25 ppm (STEL) [Vacated];

Methyl acrylate [CAS No. 96-33-3]

ACGIH: 2 ppm (TWA); Skin; DSEN; A4 (1997)

OSHA: 10 ppm (TWA), 35 mg/m³ (TWA); Skin.

PEL: Permissible Exposure Limit

TLV: Threshold Limit Value

TWA: Time-Weighted Average

STEL: Short-Term Exposure Limit

Engineering Controls:

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapour, gas, etc.) below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT (PPE)



Eye/Face Protection:

Wear safety glasses with side-shields. Use equipment for eye protection that meets the standards referenced by CSA Standard CAN/CSA-Z94.3-92 and OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

Hand Protection:

Wear protective gloves. Neoprene gloves are recommended. Consult manufacturer specifications for further information.

Skin and Body Protection:

Wear protective clothing.

Respiratory Protection:

If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator that meets the requirements of CSA Standard CAN/CSA-Z94.4-11, or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

General Hygiene Considerations:

Handle according to established industrial hygiene and safety practices. Consult a competent industrial hygienist to determine hazard potential and/or the PPE manufacturers to ensure adequate protection.



Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|----------------------------------|
| Appearance: | White milky liquid. |
| Colour: | White milky. |
| Odour: | Ammonia. |
| Odour Threshold: | Not available. |
| Physical State: | Liquid. |
| pH: | 9 to 9.9 |
| Melting Point / Freezing Point: | 0 °C (32 °F) (Water) |
| Initial Boiling Point: | Not available. |
| Boiling Range: | 100 °C (212 °F) (Water) |
| Flash Point: | Not available. |
| Evaporation Rate: | < 1 (Water = 1) |
| Flammability (solid, gas): | Not applicable. |
| Lower Flammability Limit: | Not available. |
| Upper Flammability Limit: | Not available. |
| Vapor Pressure: | 17 mmHg at 20 °C (68 °F) (Water) |
| Vapor Density: | < 1 (Air = 1) (for Water) |
| Relative Density: | 1.000 to 1.200 (Water = 1) |
| Solubilities: | Dilutable in water. |
| Partition Coefficient: n-Octanol/Water: | Not available. |
| Auto-ignition Temperature: | Not available. |
| Decomposition Temperature: | Not available. |
| Viscosity: | 800.000 to 3,000.000 mPas |
| Percent Volatile, wt. %: | 52.00 to 54.00 (Water) |
| VOC content, wt. %: | Not available. |
| Density: | Not available. |
| Coefficient of Water/Oil Distribution: | Not available. |

Section 10: STABILITY AND REACTIVITY

| | |
|----------------------------|--|
| Reactivity: | Formaldehyde will be generated under acidic conditions. Maintain adequate ventilation under these conditions to prevent exposure to formaldehyde above the Rohm and Haas Co. recommended ceiling of 0.3 ppm. |
| Chemical Stability: | Stable under normal storage conditions. |



Possibility of Hazardous Reactions: None known.

Conditions to Avoid: Exposure to heat. Avoid freezing temperatures.

Incompatible Materials: None known.

Hazardous Decomposition Products: Thermal decomposition may yield acrylic monomers.

Section 11: TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE EXPOSURE

Product Toxicity

Oral: > 5000 mg/kg (rat)

Dermal: > 5000 mg/kg (rabbit)

Inhalation: Not available.

Component Toxicity

| Component | CAS No. | LD ₅₀ oral | LD ₅₀ dermal | LC ₅₀ |
|--|-----------|-----------------------|-------------------------|--------------------|
| Ethyl acrylate, copolymer with methyl methacrylate | 9010-88-2 | Not available. | Not available. | Not available. |
| Ammonium hydroxide | 1336-21-6 | 350 mg/kg (rat) | Not available. | Not available. |
| Ethyl acrylate | 140-88-5 | 800 mg/kg (rat) | 500 uL/kg (rabbit) | 1414 ppm (rat); 4H |
| Methyl acrylate | 96-33-3 | 277 mg/kg (rat) | 1243 mg/kg (rabbit) | 1350 ppm (rat); 4H |

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Target Organs: Skin. Eyes. Gastrointestinal tract. Respiratory system. Lungs.

Symptoms (including delayed and immediate effects)

Inhalation: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Eye: Not expected to cause eye irritation.

Skin: May cause transient skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

Ingestion: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Skin Sensitization: Not available.

Respiratory Sensitization: Not available.

Medical Conditions Aggravated By Exposure: Not available.

EFFECTS OF CHRONIC EXPOSURE (from short and long-term exposure)

Target Organs: Skin. Eyes. Gastrointestinal tract. Respiratory system. Lungs.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.



Carcinogenicity: Product is not classified as a carcinogen. See Component Carcinogenicity table below for information on individual components.

Component Carcinogenicity

| Component | ACGIH | IARC | NTP | OSHA | Prop 65 |
|-----------------|-------|----------|-------------|------------------|-------------|
| Ethyl acrylate | A4 | Group 2B | Not listed. | OSHA Carcinogen. | Listed. |
| Methyl acrylate | A4 | Group 3 | Not listed. | Not listed. | Not listed. |

Mutagenicity: Not available.

Reproductive Effects: Not available.

Developmental Effects

Teratogenicity: Not available.

Embryotoxicity: Not available.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Other Adverse Effects: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

Section 14: TRANSPORT INFORMATION

U.S. Department of Transportation (DOT)

Proper Shipping Name: Not regulated.

Class: Not applicable.

UN Number: Not applicable.

Packing Group: Not applicable.

Label Code: Not applicable.

Canada Transportation of Dangerous Goods (TDG)

Proper Shipping Name: Not regulated.

Class: Not applicable.

UN Number: Not applicable.

Packing Group: Not applicable.

Label Code: Not applicable.



Section 15: REGULATORY INFORMATION

Chemical Inventories

US (TSCA)

The components of this product are in compliance with the chemical notification requirements of TSCA.

Canada (DSL)

The components of this product are in compliance with the chemical notification requirements of the NSN Regulations under CEPA, 1999.

Federal Regulations

United States

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SARA Title III

| Component | Section 302 (EHS) TPQ (lbs.) | Section 304 EHS RQ (lbs.) | CERCLA RQ (lbs.) | Section 313 | RCRA CODE | CAA 112(r) TQ (lbs.) |
|--------------------|------------------------------|---------------------------|------------------|-------------|-------------|----------------------|
| Ammonium hydroxide | Not listed. | Not listed. | 1000 | X | Not listed. | Not listed. |
| Ethyl acrylate | Not listed. | Not listed. | 1000 | 313 | U113 | Not listed. |
| Methyl acrylate | Not listed. | Not listed. | Not listed. | 313 | Not listed. | Not listed. |

State Regulations

Massachusetts

US Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

| Component | CAS No. | RTK List |
|--------------------|-----------|----------|
| Ammonium hydroxide | 1336-21-6 | Listed. |
| Ethyl acrylate | 140-88-5 | E |
| Methyl acrylate | 96-33-3 | Listed. |

Note: E = Extraordinarily Hazardous Substance

New Jersey

US New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

| Component | CAS No. | RTK List |
|--------------------|-----------|----------|
| Ammonium hydroxide | 1336-21-6 | SHHS |
| Ethyl acrylate | 140-88-5 | SHHS |
| Methyl acrylate | 96-33-3 | SHHS |

Note: SHHS = Special Health Hazard Substance



Pennsylvania

US Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

| Component | CAS No. | RTK List |
|--------------------|----------------|-----------------|
| Ammonium hydroxide | 1336-21-6 | E |
| Ethyl acrylate | 140-88-5 | ES |
| Methyl acrylate | 96-33-3 | E |

Note: E = Environmental Hazard; S = Special Hazardous Substance

California

California Prop 65: WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

| Component | Type of Toxicity |
|------------------|-------------------------|
| Ethyl acrylate | cancer |

Section 16: OTHER INFORMATION

Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for their own particular use.

Date of Preparation of SDS: December 19, 2016

Version: 1.0

GHS SDS Prepared by: **Aegis Regulatory Inc.**

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