



SAFETY DATA SHEET

SECTION 1: Identification of the product and company identification

1.1. Product identifier

HarvestHold™ Fresh

Synonyms:

Not applicable.

1.2. Recommended Use of The Chemical and Restrictions On Use:

Post-harvest plant growth regulator (ethylene inhibitor)

1.3. Details of the supplier of the safety data sheet

Verdant Technologies, LLC
1789 Buerkle Circle
St. Paul, MN 55110

1.4. Emergency telephone number

CHEMTREC (USA): 1-800-424-9300 (collect calls accepted)

CHEMTREC (International): 1-703-527-3887 (collect calls accepted)

Product Safety: 651-770-9178

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

(29 CFR 1910.1200 and the Globally Harmonized System)

Not classified as hazardous

2.2. Label elements

Hazard Precautions:

Not classified as hazardous

Prevention Precautionary

Statements:

Note: These precautionary statements are not prescribed by 29 CFR 1910.1200 and the Globally Harmonized System as this product is not classified as hazardous. No SDS is required for this product.

Note: That these precautionary statements apply to bulk product storage and are not applicable to the product once it is placed into containers and enters commerce.

Wash hands thoroughly after handling with soap and water. Store in a well-ventilated place. Keep container tightly closed to maintain product integrity.

SECTION 3: Composition/information on ingredients

3.1. Substances or 3.2. Mixtures

| Ingredient | CAS Number | Concentration (weight %) | EC Number | CLP Inventory/ Annex VI | EU CLP Classification (1272/2008) |
|----------------------------|------------|--------------------------|-----------|-------------------------|-----------------------------------|
| Polyethylene terephthalate | 25038-59-9 | 85 - 100% | 607-507-1 | Not listed | Not Classified as Hazardous |
| 1-methylcyclopropene | 3100-04-7 | < 0.5% | 608-567-1 | Not listed | Not Classified as Hazardous |

NOTE: See Section 8 for exposure limit data for these ingredients. See Section 15 for trade secret information (where applicable). See Section 16 for the full text of the R-phrases above.

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SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|----------------------|--|
| Skin Contact: | Wash with soap and water. Get medical attention if irritation develops or persists. |
| Eye Contact: | Rinse eyes with water and remove contact lenses if present. Get medical attention if irritation or other symptoms exist. |
| Inhalation: | If symptomatic, move to fresh air. Seek medical attention if irritation persists. |
| Ingestion: | If swallowed, do not induce vomiting. Get prompt medical attention. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|-------------------------|--|
| Acute: | Inhalation is not expected to be hazardous. Skin contact is not expected to be hazardous. Based on physical-chemical properties eye contact is not a likely route of exposure and not expected to be hazardous. Ingestion is not a likely route of exposure. |
| Delayed Effects: | None known |

4.3. Indication of any immediate medical attention and special treatment needed.

| | |
|---------------------------|--|
| Note to Physician: | No specific indications. Treatment should be based on the judgment of the physician in response to the reactions of the patient. |
|---------------------------|--|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|---|---|
| Appropriate Extinguishing Media: | Water spray, water fog, alcohol-resistant foam, carbon dioxide, dry chemical. |
|---|---|

5.2. Special hazards arising from the substance or mixture

| | |
|--------------------------------------|---------------------------------|
| Hazardous Products of | |
| Combustion: | Carbon dioxide, Carbon monoxide |
| Potential for Dust Explosion: | Not applicable. |

5.3. Advice for firefighters

| | |
|--------------------------------------|--|
| Basic Fire Fighting Guidance: | Evacuate area and fight fire from a safe distance. Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas. |
|--------------------------------------|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------------------|---|
| Evacuation Procedures | Isolate the area and deny entry to unnecessary and unprotected personnel. |
|------------------------------|---|

6.2. Environmental precautions

Prevent releases to soils, drains, sewers and waterways. Refer also to the environmental exposure controls indicated in Section 8.2.

Methods and material for containment and cleaning up Scoop up and place into appropriate disposal container. Dispose of contents & container in accordance with local, regional, national or international regulations.

6.3. Reference to other sections

Refer to section 8 for information on selecting personal protective equipment. Refer to section 13 for information on spilled product clean

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up material disposal instructions.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for Unique Hazards: Not applicable.

Practices to Minimize Risk: Note: These practices apply to bulk product storage and are not applicable to the product once it is placed in commerce and inserted into containers.

Special Handling Equipment: None needed.

7.2. Conditions for safe storage, including any incompatibilities.

Storage Precautions & Recommendations:

Dangerous Incompatibility Reactions:

Keep away from heat, sparks, and flame. Keep container closed when not in use. None Known

7.3. Specific end use(s)

If a chemical safety assessment has been completed an exposure scenario is attached as an annex to this Safety Data Sheet. Refer to this annex for the specific exposure scenario control parameters for uses identified in subsection 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limit: Not established

Air Monitoring Method: Not applicable.

8.2. Exposure controls

Note: These exposure controls apply to applicators of the product. They do not apply once the product is placed in commerce and in inserted into containers. They do not apply to downstream users of this product.

Other Engineering Controls: Not applicable

Personal Protective Equipment: Applicators wear general PPE such as gloves, close-toed shoes, and clothing. Used product does not require PPE for disposal.

Respirator Caution: None

Environmental Exposure Controls: This pesticide is moderately toxic to fish and aquatic invertebrates. Do not contaminate water when disposing of this product. See disposal directions in the Storage & Disposal section.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance, State & Odor (ambient temperature):



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Thin, solid film with little to no odor

| | | | |
|-------------------------------------|------------------------------------|-------------------------------------|-------------------|
| Molecular Formula: | No data available | Molecular Weight: | No data available |
| Vapor Pressure: | Not applicable | Evaporation Rate: | Not applicable |
| Specific Gravity or Density: | 1.35 - 1.45 g/mL | Vapor Density (air = 1): | Not applicable |
| Boiling Point: | Not applicable | Freezing / Melting Point: | Not applicable |
| Solubility in Water: | Not soluble or miscible with water | Octanol / Water Coefficient: | Not applicable |
| pH: | Not applicable | Odor Threshold: | No data available |
| Viscosity: | Not applicable | Autoignition Temperature: | 188 - 191°C |
| Flash Point and Method: | No data available | Flammable Limits: | Not applicable |
| Flammability (solid, gas): | Not flammable | Decomposition Temperature: | No data available |
| Explosive Properties: | Not explosive | Oxidizing Properties: | Not an oxidizer |

SECTION 10: Stability and reactivity

| | |
|--|---|
| 10.2. Chemical stability | Stable |
| 10.3. Possibility of hazardous reactions | Polymerization is not expected to occur |
| 10.4. Conditions to avoid | There are no known unusual fire or explosion hazards associated with this material. |
| 10.5. Incompatible materials | None known |
| 10.6. Hazardous decomposition products | |
| Products of incomplete combustion may include CO, CO ₂ and dense smoke. | |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|---|---|
| Acute Oral LD₅₀: | > 5,000 mg/ kg (rat) |
| Acute Dermal LD₅₀: | > 5,000 mg/ kg (rat) |
| Skin Irritation: | Non-irritating to skin. |
| Eye Irritation: | Non-irritating to eyes. |
| Skin Sensitization: | Not a sensitizer |
| Mutagenicity: | No evidence of mutagenic effects |
| Reproductive / Developmental Toxicity: | None of the components listed appear on the California Proposition 65 list of chemicals as a reproductive hazard. |
| Carcinogenicity: | None of the components of this product are listed in the IARC, ACGIH, NTP or OSHA databases as a carcinogen. |
| Target Organs: | None known |
| Primary Route(s) of Exposure: | Ingestion and eye contact are not likely primary routes of exposure for this product. |

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Most important symptoms and effects, both acute and delayed.

Inhalation, skin and eye contact are not expected to be hazardous. Ingestion is not a likely route of exposure. Delayed Effects: None known.

SECTION 12: Ecological information

| | |
|---|----------------------------------|
| 12.1. Toxicity | No data available |
| 12.2. Persistence and degradability | Biodegradation is not applicable |
| 12.3. Bioaccumulative potential | Scientifically unjustified |
| 12.4. Mobility in soil | No data available. |
| 12.5. Results of PBT and vPvB Assessment | No data available. |
| 12.6. Other adverse effects | No data available. |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

US EPA Waste Number:

Waste Classification: (per US regulations)

Waste Disposal:

Non-Hazardous

The waste may be classified as "special" or hazardous per State regulations.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Dispose of film separately and distinctly from packaging. Offer film for recycling where available.

NOTE: Generator is responsible for proper waste characterization. State hazardous waste regulations may differ substantially from federal regulations. Dispose of this material responsibly, and in accordance with standard practice for disposal of potentially hazardous materials as required by applicable international, national, regional, state or local laws, and environmental protection duty of care principles. Do NOT dump into any sewers, on the ground, or into any body of water.

SECTION 14: Transport information

The following information applies to all shipping modes (DOT/IATA/ICAO/IMDG/ADR/RID/ADN), unless otherwise indicated:

| | | | |
|---|----------------|--------------------------------------|----------------|
| 14.1. UN number | Non-hazardous | 14.2. UN proper shipping name | Not required |
| 14.3. Transport hazard class(es) | Not applicable | 14.4. Packing group | Not applicable |

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Inventory Lists:

Status:

USA TSCA:

Listed

EINECS:

Listed

Canada(DSL/NDSL):

DSL

SARA 313:

Not Listed

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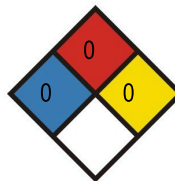


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HMIS:

| | |
|-----------------|---|
| HEALTH | 0 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

NFPA:



15.2. Chemical safety assessment

Not applicable.

15.3 Regulatory Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION

Harmful if swallowed.

Causes moderate eye irritation.

Avoid contact with eyes or clothing.

Harmful if inhaled.

SECTION 16: Other information

Training Advice: Not applicable.

Legend of Abbreviations:

ACGIH = American Conference on Governmental Industrial Hygienists.

CAS = Chemical Abstracts Service.

CFR = Code of Federal Regulations.

DSL/NDL = Domestic Substances List/Non-Domestic Substances List.

EC = European Community.

EINECS = European Inventory of Existing Commercial Chemical Substances.

ELINCS = European List of Notified Chemical Substances.

EU = European Union.

GHS = Globally Harmonized System.

LC = Lethal Concentration.

LD = Lethal Dose.

NFPA = National Fire Protection Association.

NIOSH = National Institute of Occupational Safety and Health.

NTP = National Toxicology Program.

OSHA = Occupational Safety and Health Administration

PEL = Permissible Exposure Limit.

RQ = Reportable Quantity.

SARA = Superfund Amendments and Reauthorization Act of 1986.

TLV = Threshold Limit Value.

WHMIS = Workplace Hazardous Materials Information System.

Important Note: Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data 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 and disposal of these materials and the safety and health of employees and customers. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. The information contained herein may change without prior notice. THIS SAFETY DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS.

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