



## MSDS: Path-Away® Plant Protectant with Growth Enhancer

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### Section 1: Product Name and Company Identification

Product Name: Path-Away® Plant Protectant with Growth Enhancer

**Contact Information:**

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**Approvals and/or Exemptions**

This product qualifies is approved under the cited relevant regulations and / or is exempt from registration under the cited regulations and / or regulations.

**Proprietary Bioflavonoids:**

This specific formulation methodology is considered by GICC LLC to be trade secret and is withheld in accordance with the provision of 1910.1200 of Title 29 of the Code of Federal Regulation.

Path-Away® Plant Protectant with Growth Enhancer

GICC LLC Product Code MPS GICC 02

Scientifically compounded organic components for the control of crop parasites and pathogens

**Approvals: Meets or exceeds the following:**

**BioGro Certified #5479** (components)

N.Z. ACVM Act 1997\*

European Community Approval (E) numbers

JAS, Japan Standards 2009

USA Organic List Numbers and Resolutions 2004

MPI-OOAP EU

MPI-OOAP USDA

MPI-OOAP Taiwan

## Section 2: Composition and Ingredient Information

| Hazardous Components: None Identified | Amount  | Use                      |
|---------------------------------------|---------|--------------------------|
| Citric acid                           | 1.00%   | Active ingredient        |
| Citrus pulp                           | 1.00%   | Inert ingredient         |
| Glyceryl stearate                     | 1.00%   | Inert ingredient         |
| Steam Distilled/RO H2O                | 97.0%   | Inert carrier ingredient |
| Solubility in water                   | Soluble |                          |

## Section 3: First Aid Measures

|                   |  |
|-------------------|--|
| <b>Eyes</b>       | Flush with large amounts of water. Concentrations > 5%   |
| <b>Skin</b>       | Non-irritant Concentrations < 5%   |
| <b>Inhalation</b> | Standard ASHRAE ventilation required when mixing concentrate   |
| <b>Ingestion</b>  | Wash mouth with water. Sip glasses of water if able to swallow. Treat symptomatically. LDL50 = 180,000 mg/kg live body weight at 3.0% concentration. |

## Section 4: Fire Fighting Measures

|   |
|---|
| <b>Flash Point:</b> 340 degrees F / 171 degrees C   |
| <b>Extinguishing Media:</b> Foam, water fog, Carbon Dioxide or Dry Chemical approved.   |
| <b>Fire Fighting Procedures:</b> Water or foam may cause frothing if sprayed into containers of concentrate. Wear SCBA when fighting fires where <i>concentrate only</i> is involved. Under normal circumstances there is no immediate hazard to fire-fighting personnel. |
| <b>Unusual Fire or Explosion Hazards:</b> Never use welding or cutting torch on or near drum of <i>concentrate only</i> .   |
| <b>Flammable Limits:</b> LEL and UEL are NOT applicable.  |

## Section 5: Accidental Release Measures (Steps for Spills)

|  |
|--|
| <b>Observe local regulations and provisions</b>  |
| <b>Spills:</b> Avoid contacting other materials as normal cleanup. Pick up excess with absorbent materials and flush area with water <i>for concentrate only</i> .                             |
| <b>Waste Disposal Method:</b> Path-Away® is classified as a non-corrosive, non-toxic, natural based liquid and can be disposed of in accordance with all local, state and federal regulations. |

## Section 6: Handling and Storage Measures

|                 |   |
|-----------------|---|
| <b>Handling</b> | Use reasonable care when handling.  |
| <b>Storage</b>  | Store upright in a cool dry place. Keep original plastic or glass containers tightly closed. Do not store in direct sunlight/ Optimal temperature for storage is 59F – 77 F / 15C – 25C. Product has a shelf life of five (5) years when stored under optimal conditions. |

## Section 7: Exposure Control / Personal Protection

|                               |   |
|-------------------------------|---|
| <b>Respiratory Protection</b> | None required when using or applying finished product. Eye protection is recommended. No other protective clothing is required. |
| <b>Ventilation</b>            | Normal ASHRAE ventilation is acceptable. Be sure to meet minimum ASHRAE requirements when and if handling concentrate.          |
| <b>Monitoring</b>             | All ingredients are listed as non-hazardous and/or US EPA GRAS (Generally Regarded As Safe).                                    |

## Section 8: Physical Properties

|                        |                           |
|------------------------|---------------------------|
| <b>Appearance</b>      | Viscous liquid            |
| <b>Color</b>           | Clear to light yellow     |
| <b>Odor</b>            | Slight plant odor         |
| <b>Sp. Gravity</b>     | 1.10 -1.22 kg/Lt          |
| <b>Taste</b>           | Slightly tart             |
| <b>Boiling Point</b>   | 284 – 302 F / 140 – 150 C |
| <b>Vapor Pressure</b>  | 110 C                     |
| <b>Surface Tension</b> | 30- 40 mN/n (20 C)        |
| <b>Viscosity</b>       | 1.0001                    |
| <b>Flash Point</b>     | 340 F / 171 C             |

## Section 9: Stability and Reactivity

|                            |  |
|----------------------------|--|
| <b>Chemical Stability</b>  | Stable if used as directed. Refer to <b>Handling and Storage, Section 6.</b>                 |
| <b>Conditions to Avoid</b> | Contact with strong oxidizing agents. <i>Applies to concentrate only</i>                     |
| <b>Materials to Avoid</b>  | Strong oxidizing agents. <i>Applies to concentrate only</i>                                  |
| <b>Hazardous Reactions</b> | Polymerization may occur in presence of Oxidizing agents. <i>Applies to concentrate only</i> |

## Section 10: Toxicological Information

|                   |   |
|-------------------|---|
| <b>Eyes</b>       | May cause slight transient (temporary) eye irritation.  |
| <b>Skin</b>       | No effects noticed in levels < 10%  |
| <b>Oral</b>       | LDL50 @ 3.0% concentration = 180,000 mg/kg live body weight.  |
| <b>Inhalation</b> | Closed chamber exposure for 8 hrs./day during 5 days/week for 90 days = no effect at 100-150 mg/m3 air. |
| <b>Chronic</b>    | None observed.  |
| <b>Acute</b>      | None observed.  |

|                 |   |
|-----------------|---|
| Carcinogenicity | 12 month test in mice and 24 month test in rats shows no carcinogenic effects. Product contains no carcinogens. |
| Eco toxicity    | None observed. Listed by N.Z. EPA as non-toxic to aquatic animals @ 5% or lower..                               |

### Section 11: Ecological Information

|                           |  |
|---------------------------|--|
| <b>Eco toxicity</b>       | Non-toxic to aquatic animals and bees.   |
| <b>Environmental Fate</b> | Based largely or completely on information for primary raw material, Path-Away® is biodegradable under aerobic conditions. Biodegradation is expected to be achieved in any secondary wastewater treatment facility. |

### Section 12: Disposal Information

|                  |   |
|------------------|---|
| <b>Product</b>   | All disposal methods must be in compliance with all Federal, State / Provincial and local laws and regulations. Regulations may vary in different locations and / or countries. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. |
| <b>Packaging</b> | Recycle the package if there is a designated collection point. If none is available cut, bury and/or incinerate in an appropriate qualified installation.   |

### Section 13: Transport Information

|              |   |
|--------------|---|
| <b>DOT</b>   | For DOT regulatory information, if required, consult transportation regulations or product shipping documentation.  |
| <b>IATA</b>  | For IATA regulatory information, if required, consult transportation regulations or product shipping documentation.   |
| <b>Other</b> | <p><b>Proper Shipping Name:</b> Non-Toxic, Non-Corrosive Herbal Extract</p> <p><b>Packaging:</b> 1 US Gallon, 5 US Gallons, 30 US gallons, 55 US Gallon plastic drums, 275 and 330 Gallon IBC tanks. All packaging conforms to I.C.C. specifications 17E or 38B. Large volume packaging available on request by special order.</p> <p><b>HMIS Information: Health = 0 Flammability = 0 Reactivity = 0 Protection = 0</b></p> <p><b>ATF Distilled Spirits Act:</b> Not applicable.</p> <p><b>SARA Hazard Category:</b> This product has been reviewed according to EPA “Hazard Categories” promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered , under applicable definitions, to meet the following categories: <b>Not to have met any hazard category</b></p> |

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