



MSDS: Path-Away® Livestock Protectant

Date issued: June 1, 2016



Section 1: Product Name and Company Identification

Product Name: Path-Away® Livestock Protectant

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® Livestock Protectant

GICC LLC Product Code MPS GICC 04

Scientifically compounded organic components for the control of Livestock based pathogens/parasitics.

Approvals: Meets or exceeds the following:

BioGro Certified #5479 (contents)
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

Components	Amount	Use
Proprietary bioflavonoids	2.10%	Active ingredient
Dextrose	0.15%	Inert ingredient
Glycerin USP	2.15%	Inert ingredient
Citrus extract combo	0.60%	Inert ingredient
Steam Distilled/RO H2O	95.0%	Inert carrier ingredient
Solubility in water	Soluble	

Section 3: First Aid Measures

Eyes	Flush with large amounts of water. Concentrations > 5%
Skin	Non-irritant Concentrations < 5%
Inhalation	Standard ASHRAE ventilation required when mixing concentrate
Ingestion	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

Flash Point: 340 degrees F / 171 degrees C
Extinguishing Media: Foam, water fog, Carbon Dioxide or Dry Chemical approved.
Fire Fighting Procedures: 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.
Unusual Fire or Explosion Hazards: Never use welding or cutting torch on or near drum <i>of concentrate only</i> .
Flammable Limits: LEL and UEL are NOT applicable.

Section 5: Accidental Release Measures (Steps for Spills)

Observe local regulations and provisions
Spills: Avoid contacting other materials as normal cleanup. Pick up excess with absorbent materials and flush area with water <i>for concentrate only</i> .
Waste Disposal Method: 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

Handling	Use reasonable care when handling.
Storage	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

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

Section 8: Physical Properties

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

Section 9: Stability and Reactivity

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

Section 10: Toxicological Information

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

Eco toxicity	Non-toxic to aquatic animals and bees.
Environmental Fate	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

Product	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.
Packaging	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

DOT	For DOT regulatory information, if required, consult transportation regulations or product shipping documentation.
IATA	For IATA regulatory information, if required, consult transportation regulations or product shipping documentation.
Other	<p>Proper Shipping Name: Non-Toxic, Non-Corrosive Herbal Extract</p> <p>Packaging: 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>HMIS Information: Health = 0 Flammability = 0 Reactivity = 0 Protection = 0</p> <p>ATF Distilled Spirits Act: Not applicable.</p> <p>SARA Hazard Category: 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: Not to have met any hazard category</p>

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