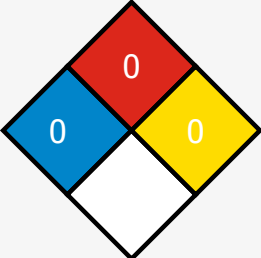


Safety Data Sheet

Section 1: Identification

Product Identifier:		Trade Name:	
EPA Reg. No.: 101745-2-102976		Happy Happy Houseplant Fungus Gnat Death Drops	
Details of the supplier of the safety data sheet:			
Manufacturer/Supplier:		Phone:	Emergency telephone number:
Happy Happy Houseplant 3097 Santa Clara Dr Santa Clara, UT 84765		(435) 817-5224	Chemtrec, 1-800-424-9300

Section 2: Hazard(s) Identification

Hazard classification:	This product is classified according to the Globally Harmonized System (GHS). Product is non-toxic by ingestion, skin contact or inhalation. Direct contact with eyes or skin may cause mild irritation.								
Signal word(s):	N/A								
Hazard statements:	N/A								
Pictograms:									
Precautionary statements:	N/A								
Prevention:	N/A								
Description of other hazards:	N/A								
NFPA ratings (scale 0-4):	HMIS ratings (0-4):								
 <p>Health = 0 Fire = 0 Reactivity = 0</p>	<table border="1"><tr><td>Health</td><td>0</td></tr><tr><td>Fire</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>			Health	0	Fire	0	Reactivity	0
Health	0								
Fire	0								
Reactivity	0								

Section 3: Composition/Information on Ingredients

Chemical characterization:		
CAS#:	Chemical Name:	Concentration:
N/A	Bacillus thuringiensis subspecies israelensis Strain BMP 144 solids, spores and insecticidal toxins* Equivalent to 1,200 International Toxic Units (ITU/mg) (4.84 Billion ITU/gallon or 1.2 Billion ITU/Liter).	6-10%

Section 4: First Aid Measures

General advice:	No applicable data available.
After inhalation:	Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
After skin or clothing contact:	Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
After eye contact:	Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
After swallowing:	Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Section 5: Firefighting Measures

Suitable extinguishing agents:	CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Special protective equipment for firefighters:	Wear self-contained breathing apparatus and protective suit.

Section 6: Accidental Release Measures

Personal precautions:	Use appropriate personal protective equipment during clean up.
Measures for environmental protection:	Do not flush into surface water or sanitary sewer system.
Measures for cleaning/collecting:	Recover product. Place into appropriate container for disposal. Ventilate and wash spill area.

Section 7: Handling and Storage

Handling:	No special precautions are required for handling this material.
Information about protections against explosions and fires:	No special measures required.
Storage:	Tightly reclose containers of unused materials. Do not contaminate water, food or feed by storage or disposal. Store in a secure, cool, dry well-ventilated location. Avoid temperatures above 85°F/30°C.
Further information about storage conditions:	None.

Section 8: Exposure Controls/Personal Protection

Engineering controls:	Ensure adequate ventilation especially in confined areas.
Personal protective equipment:	Wear impervious gloves and clothing to minimize skin contact. Wash thoroughly with soap and water after handling. If necessary, use safety glasses or goggles. While not usually required, mixers/loaders and applicators not in enclosed cabs or aircraft must wear a dust/mist respirator meeting NIOSH standards of at least N-95, R-95 or P-95.
Respiratory protection:	A respiratory protection program that meets country requirements must be followed whenever workplace conditions warrant respiratory use. Consult the OSHA respiratory information located 29.CFR 1910.134.
Eye protection:	Wear safety glasses with side shields.
Skin and body protection:	Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, and jacket.

Section 9: Physical and Chemical Properties

Appearance:	Tan Liquid
Form:	Liquid
Color:	Tan
Odor:	Mild, acidic fermentation
Odor threshold:	Not available.
pH:	4.5-5.0
Specific Gravity:	1.05 - 1.10 @ 68°F
Melting point/melting range:	Not available.
Boiling point/boiling range:	100°C
Flash point:	>212.0°F (>100.0°C) Pensky-Martens Closed Cup
Evaporation rate:	<1 (H ₂ O = 1)
Flammability (solid, gas):	Not applicable.
Flammability:	Not determined.
Upper/lower flammability or explosive limits:	Not determined.
Auto ignition temperature:	This product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.
Vapor pressure:	Not determined.
Vapor density:	Not determined.
Relative density:	Not determined.
Solubility in/miscibility with water:	Soluble

Section 10: Stability and Reactivity

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage, and transport.
Chemical stability:	Material is stable under normal conditions.
Conditions to avoid:	Avoid prolonged exposure to temperatures above 85°F (30°C). Contact with incompatible materials.
Incompatible materials:	Strong acids. Oxidizing agents. Aluminum. Amines. Caustics.
Hazardous decomposition products:	Carbon oxides. Organic compounds which may be toxic.

Section 11: Toxicological Information

Information on toxicological effects:	N/A
Acute toxicity:	Oral LD50: LD50 (rat) >5,000 mg/kg Dermal LD50: LD50 (rabbit) > 2,000 mg/kg Inhalation LC50: The LC50 in 4-hour inhalation studies in rat was 25.1 mg/L.
Potential routes of exposure/ potential health effects	Eyes, skin, inhalation, ingestion.
Skin:	Non-sensitizing in guinea pig studies.
Eye:	Non-irritating to rabbit eyes or skin.
Inhalation:	May cause irritation.
Ingestion:	May cause irritation.
Carcinogenic effects:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Sensitization:	No sensitization effects known.

Section 12: Ecological Information

Additional ecological information:	No data is available on the product itself.
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Section 13: Disposal Considerations

Waste treatment methods	
Disposal methods:	Dispose of product in accordance with Federal, state and local regulations. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
Uncleaned packaging	
Recommendation:	Disposal must be made according to all official regulations.
Container Disposal:	Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned stay out of smoke.

Section 14: Transport Information

DOT regulations:	Not regulated as dangerous goods for transportation.		
Hazard class:	N/A	Land transport ADR/RID(cross-border):	Not regulated.
ADR/RID class:	Not regulated.	Maritime transport IMDG:	Not regulated.
Air transport ICAO-TI and ITA-DGR:	Not regulated.		
ICAO/IATA Class:	Not regulated.		

Section 15: Regulatory Information

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

SARA:	SARA Section 355 (extremely hazardous substances):	None of the ingredients are listed.
	SARA Section 313 (specific toxic chemical listings):	None of the ingredients are listed.
	TSCA (Toxic Substances Control Act):	None of the ingredients are listed.
Proposition 65:	Chemicals known to cause cancer:	None of the ingredients are listed.
	Chemicals known to cause reproductive toxicity for females:	None of the ingredients are listed.
	Chemicals known to cause reproductive toxicity for males:	None of the ingredients are listed.
	Chemicals known to cause developmental toxicity:	None of the ingredients are listed.
Carcinogenic categories:	EPA (Environmental Protection Agency):	None of the ingredients are listed.

Section 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviation and acronyms:

DOT:	US Department of Transportation
ACGIH:	American Conference of Governmental Industrial Hygienists
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Services (division of the American Chemical Society)
NFPA:	National Fire Protection Association (USA)
HMIS:	Hazardous Materials Identification System (USA)

SDS date of preparation/update: 7-5-2023