



SAFETY DATA SHEET

Section 1: Product Identification

Product Name: Trifecta Crop Control
General Use: EPA/FIFRA exempt (25b) insecticide/fungicide
Supplier: Trifecta LLC
516 West Central Ave
South Williamsport, PA 17702
Phone: (570) 337-5125
Emergency (24 hour): (570) 337-5125
Revision date: December 01, 2016

Section 2: Hazards Identification

Emergency Overview (OSHA Hazards): WARNING! Causes skin irritation. Causes eye irritation.

Hazard Classification (categories in parentheses): Irritant (skin: 2, eyes: 2B).

HMIS Rating:

Health 1
Flammability 1
Reactivity 0



WARNING!

Personal protection ration to be supplied by user depending on use conditions.

Hazard Statements: H316 Causes mild skin irritation
H320 Causes eye irritation

Precautionary Statements: P262 Do not get in eyes, on skin, or on clothing
P264 Wash face, hands and any exposed skin thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P302 + P352 + P362 + P333 + P314 IF ON SKIN: Wash with soap and water. Take off contaminated clothing and wash before reuse If skin irritation or

a rash occurs: Get medical advice/attention if you feel unwell.

P304 + P341 + P342 + P322 + P314 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Administer oxygen and get medical advice/attention if you feel unwell.

P305 + P351 + P322 + P338 + P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical advice/attention.

P501 Dispose of contents/ container to an approved waste disposal plant

NOTE—Information provided in this SDS represents characteristics and physical data of the concentrated material as supplied.

Section 3: Composition

Chemical Family: Blend of minimum risk ingredients

<i>Ingredient</i>	<i>Wt %</i>	<i>CAS Number</i>	<i>OSHA PEL</i>	<i>ACGIH TLV</i>	<i>NIOSH REL</i>	<i>NIOSH IDLH</i>
Filtered water	20 – 30	7732-18-5	N/A	N/A	N/A	N/A
Soap	10 – 20	proprietary	N/A	N/A	N/A	N/A
Isopropyl alcohol	10 – 20	67-63-0	400 ppm	200 ppm	400 ppm	2000 ppm
Thyme oil	10 – 20	8007-46-3	N/A	N/A	N/A	N/A
Clove oil	5 – 15	8000-34-8	N/A	N/A	N/A	N/A
Garlic oil	5 – 15	8000-78-0	N/A	N/A	N/A	N/A
Vinegar	1 – 5	8028-52-2	*200 ppm	*200 ppm	*200 ppm	1000 ppm
Peppermint oil	1 – 5	8006-90-4	¥15 mg/m ³	N/A	¥10 mg/m ³	N/A
Corn oil	1 – 5	8001-30-7	¥15 mg/m ³	N/A	¥10 mg/m ³	N/A
Geraniol	1 – 5	106-24-1	¥15 mg/m ³	N/A	¥10 mg/m ³	N/A
Citric acid	1 – 5	77-92-9	¥15 mg/m ³	¥10 mg/m ³	¥10 mg/m ³	N/A
Rosemary oil	1 – 5	8000-25-7	¥15 mg/m ³	N/A	¥10 mg/m ³	N/A
		*TWA	¥ mist			

NOTE—Some components of this product are proprietary, and the formulation is maintained as a Trade Secret. Safety and hazard information in this SDS are for the blended formulation as supplied. Specific formulation information is immediately available to treating physicians or nurses in emergency situations, or to health professionals, employees, or designated representatives in non-emergencies where prior written consent is obtained.

Section 4: First Aid

Most important symptoms/effects: Mild skin irritant. Eye irritant.

Inhalation: Remove individual to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Get medical advice/attention if you feel unwell.

Skin Contact: Remove contaminated clothing and foot wear. Wash thoroughly with soap and water and do not reuse clothing until properly cleaned. If a rash should develop, get medical advice/attention.

Eye Contact: Immediately flush eyes with plenty of cool, clean water for at least 15 minutes. Keep eyelids apart to maintain maximum contact with water. Do not allow the individual to rub their eyes. Get medical advice/attention.

Ingestion: If individual is conscious and able to swallow, quickly have the victim drink water to dilute. Do not give anything by mouth if individual is unconscious or is having convulsions. Contact a physician or poison control center for advice/attention.

Section 5: Fire and Explosion Data

Flash Point: > 212° F

Extinguishing Media: Water spray, foam, dry chemical or carbon dioxide. If a spill or leak has ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from a fire. Do not flush into a storm drain or public sewer.

Special Procedures: Use self-contained breathing apparatus (SCBA) and proper personal protection clothing.

Unusual Hazards: In a fire-fighting scenario involving multiple chemicals, vapors can be released that might contain oxides of carbon and firefighters should attack and contain fire and any fumes accordingly.

Section 6: Accidental Release Procedures

Personal precautions, protective equipment, and emergency procedures: Clear area of non-essential personnel. Use proper personal protective equipment (PPE).

Methods and materials for containment and cleaning up: Contain spill or leak and soak up as much material as possible. Put collected material into suitable containers for disposal. Close or cap valves and/or block or plug hole in leaking container and transfer to another container. Use appropriate containment to avoid runoff or release to sewer or waterways.

Recovered solids or liquids may be disposed of in a permitted waste management facility. Consult Federal, state or local disposal authorities for approved procedures. Any disposal must be in compliance with Federal, state, or local regulations.

Section 7: Handling and Storage

Precautions for safe handling: Eye wash and safety showers are recommended in the immediate work area. Check with your State OSHA to determine the maximum distance for stations to be placed in regards to possible chemical exposure.

Conditions for safe storage, including any incompatibilities: The material is safe to store at ambient temperatures of between 35° and 115° F. Keep containers closed when not in use to prevent losses and possible contamination.

Section 8: Employee Protection and Control Measures

NOTE—No exposure standard exists for the formulated product.

Appropriate engineering controls: Normal ventilation has been found to be generally adequate. The end user must determine if the process or methods involved with the use of this material requires any additional ventilation.

Individual protection measures, such as personal protective equipment:

Eye Protection: Safety glasses with side shields or splash proof chemical goggles are recommended when working with concentrated product. If product is being sprayed or splashing is possible, splash proof chemical goggles or a splash shield in accordance with 29 CFR 1910.133 should be used. Appropriate eye protection should be worn instead of, or in conjunction with, contact lenses.

Skin Protection: As is a good practice with all materials, chemical resistant gloves, including nitrile, can be worn when working with the product to avoid skin contact.

Respiratory Protection: Not normally required. In situations where a risk of inhalation occurs, such as where product is being misted, a respirator or air delivery system in accordance with 29 CFR 1910.134 (OSHA), 42 CFR 84 (NIOSH), and any other applicable regulations may be recommended.

Other: Not generally required under normal working conditions. The end user must determine if the process or methods involved required other personal protection clothing and/or equipment.

Work/Hygienic Practices: Do not consume food, drink, or smoke in areas where chemicals are being stored or handled. After working with chemicals wash hands thoroughly before handling food or beverages. Segregate and launder contaminated clothing before reuse.

Section 9: Physical and Chemical Properties

Appearance: Amber liquid

Odor: Herbal

Odor threshold: Not tested

pH: 10.6 – 10.9 typical

Melting point/freezing point: 25° F (-4° C)
Initial boiling point and range: Not tested
Flash Point: > 212° F
Evaporation Rate: Less than water
Flammability (solid, gas): Not applicable
Upper/lower flammability or explosive limits: Not tested
Vapor pressure: < 0.01 mm Hg estimate
Vapor Density: Heavier than air
Relative density: Specific Gravity (H₂O = 1): 1.001 typical
Solubility (water): Dispersible
Partition coefficient: n-octanol/water: Not tested
Auto-ignition temperature: Not applicable
Decomposition temperature: Not applicable
Stability: Stable
Percent Volatiles: Not tested

Section 10: Stability and Reactivity

Reactivity: Product is stable as delivered
Chemical Stability: Stable
Possibility of hazardous reactions: Heat may be generated in contact with strong acids and strong oxidizers.
Conditions to avoid (e.g., static discharge, shock, or vibration): None known.
Incompatible materials: Avoid contact with strong acids and strong oxidizers.
Hazardous decomposition products: Oxides of carbon.
Polymerization: Will not occur.

Section 11: Toxicological Information

Acute Toxicity Data: Not tested, but expected to be low toxicity based on ingredients
Irritant Data: Skin and eye irritant.
Primary Routes of Exposure (Acute):
Eye and Skin Exposure: No long-term effects are expected, but exposure may cause mild irritation to skin and irritation to eyes.
Inhalation: No long-term effects are expected, but excessive breathing of vapors may cause discomfort, dizziness, or mild irritation.
Ingestion: No long-term effects are expected with ingestion of small quantities, but swallowing concentrated product may lead to gastrointestinal irritation, diarrhea, or nausea.
Primary Routes of Exposure (Chronic):
The effects from chronic exposure to this product have not been fully evaluated, but none are expected with the formulated product.
Carcinogenicity: None of the components present in this material are listed on the IARC, NTP, or OSHA carcinogen lists.

Safety Precautions: As with all chemicals, avoid contact with eyes, skin, and clothing; wash thoroughly after handling, especially before eating, drinking, or smoking.

Section 12: Ecological Information

Contact your Trifecta LLC representative for assistance.

Section 13: Disposal Considerations

Waste Disposal: All disposals of this material must be done in accordance with Federal, state and local regulations. Waste characterization and compliance with disposal regulations are the responsibilities of the waste generator.

Section 14: Transportation Information

DOT Proper Shipping Name: Non hazardous

DOT/IMO Proper Shipping Name: Not regulated

Section 15: Regulatory Information

Toxic Substances Control Act (TSCA) Status: All ingredients in this product appear on either the public TSCA inventory or the confidential TSCA inventory.

EPCRA, Section 311: Health: Immediate Health (skin and eye irritant).

FIFRA (EPA) status: Trifecta LLC represents that this product qualifies for exemption from registration under FIFRA, according to Section 25(b).

Section 16: Other Information

Last Revision: September 16, 2015

Current Revision: December 01, 2016

Revision summary: Update format to GHS.

Prepared By: Trifecta LLC

This information is related only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer warranty against patent infringement.

End of SDS