

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : TREVO DCZ
 Product code : 89167-103-89391

1.2. Recommended use and restrictions on use

1.3. Supplier

INNICTIS® CROP CARE, LLC
 1880 Fall River Drive, Suite 100
 Loveland, CO 80538
 T 855-466-8428

1.4. Emergency telephone number

Emergency number : ChemTrec 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Serious eye damage/eye irritation, Category 2B	H320 Causes eye irritation
Skin sensitisation, category 1B	H317 May cause an allergic skin reaction.
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336 May cause drowsiness or dizziness.
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400 Very toxic to aquatic life.
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410 Very toxic to aquatic life with long lasting effects.
Acute Toxicity, Inhalation	H333 May be harmful if inhaled.

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

H317 - May cause an allergic skin reaction.
 H320 - Causes eye irritation
 H336 - May cause drowsiness or dizziness.
 H400 - Very toxic to aquatic life.
 H410 - Very toxic to aquatic life with long lasting effects.
 H333 - May be harmful if inhaled.

Precautionary statements (GHS US) :

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 - Wash hands, forearms and face thoroughly after handling.
 P271 - Use only outdoors or in a well-ventilated area.
 P272 - Contaminated work clothing must not be allowed out of the workplace
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 - If on skin: Wash with plenty of water/...
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 - Call a poison center/doctor/... if you feel unwell
 P321 - Specific treatment (see supplemental first aid instruction on this label)
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 - If eye irritation persists: Get medical attention
 P363 - Wash contaminated clothing before reuse.
 P391 - Collect spillage.

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P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
azoxystrobin	(CAS-No.) 131860-33-8	18.2
difenaconazole	(CAS-No.) 119446-68-3	11.4

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures general : Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information. Call a poison center or a doctor if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
- First-aid measures after skin contact : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects : May cause drowsiness or dizziness.
- Symptoms/effects after skin contact : May cause an allergic skin reaction.
- Symptoms/effects after eye contact : mild eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam, dry chemical, or carbon dioxide (CO₂). Avoid high volume water jet (contamination risk) or dike and collect runoff. Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

- Fire hazard : None.
- Explosion hazard : None known.
- Reactivity in case of fire : Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

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5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.
- Protection during firefighting : Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent material from entering any waterways or low areas. Do not flush to drain or soil. Contain contaminated water. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

6.3. Methods and material for containment and cleaning up

- For containment : Collect spillage.
- Methods for cleaning up : Take up liquid spill into absorbent material. Clean up spill immediately, observing precautions in Section 8. Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposal.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

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azoxystrobin (131860-33-8)

No additional information available

Difenaconazole Technical

No additional information available

8.2. Appropriate engineering controls

- Appropriate engineering controls : Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower. Ensure adequate ventilation. Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Off white.
Colour	: Mixture contains one or more component(s) which have the following colour(s): White
Odour	: Sweet
Odour threshold	: No data available
pH	: 6 – 7 (1% Dispersion)
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 230 °F 110C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.12 g/cm ³ (9.35 lbs/gal) @25C
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available

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Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified.

TREVO DCZ	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	2.06 – 5.17 mg/L (4-hr)
ATE US (vapours)	2.06 mg/l/4h
ATE US (dust,mist)	2.06 mg/l/4h

azoxystrobin (131860-33-8)	
LC50 inhalation rat (mg/l)	0.7 – 0.96 mg/l/4h (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))

Skin corrosion/irritation	: Not classified pH: 6 – 7 (1% Dispersion)
Serious eye damage/irritation	: Causes eye irritation. pH: 6 – 7 (1% Dispersion)
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified

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Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: mild eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Difenoconazole is toxic to fish, mammals and aquatic invertebrates. Azoxystrobin is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Azoxystrobin can be persistent for several months or longer. Azoxystrobin and a degradate of azoxystrobin are known to leach through soil into groundwater under certain conditions as a result of label use. This product may impact surface water quality due to runoff of rain water. This product may adversely impact the forage and habitat of local pollinators, including the monarch butterfly (and its larvae), birds, or bats if reaches non-target areas. Protect pollinators by following label directions to minimize spray drift. Very toxic to aquatic life with long lasting effects.
	: The following information is for the active ingredient, azoxystrobin: AQUATIC TOXICITY Rainbow Trout (96-hour LC50): 0.47 mg/L Bluegill (96-hour LC50): 1.1 mg/L Daphnia (48-hour LC50): 80 µg/L Algae (EC50): 0.12 mg/L AVIAN TOXICITY Bobwhite Quail (oral LC50): > 2,000 mg/kg Mallard Duck (oral LD50): > 2,000 mg/kg OTHER TOXICITY Honey Bee (oral, contact): > 25 µg/bee, > 200 µg/bee The following information is for the active ingredient, difenoconazole: AQUATIC TOXICITY Rainbow trout (96 hLC50): 0.81-1.06 mg/L Fathead minnow (NOAEC): 0.0019 mg/L Daphnia magna (48h EC50): 0.77 mg/L Daphnia magna (NOAEC): 0.0056 mg/L Freshwater diatom (96h EC50): 0.098 mg/L AVIAN TOXICITY Bobwhite: (Oral LC50) 4760 mg/kg; (NOAEC) 625 mg/kg Mallard: (Oral LC50) > 5000 mg/kg; (NOAEC) 625 mg/kg OTHER TOXICITY Honeybee (contact LD50): > 100 µg/bee

12.2. Persistence and degradability

azoxystrobin (131860-33-8)	
Persistence and degradability	Not readily biodegradable in the soil. Not readily biodegradable in water.

12.3. Bioaccumulative potential

azoxystrobin (131860-33-8)	
Partition coefficient n-octanol/water (Log Pow)	2.5 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

azoxystrobin (131860-33-8)	
Surface tension	71.8 mN/m (20 °C, EU Method A.5: Surface tension)
Ecology - soil	Low potential for mobility in soil.

12.5. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Disposal methods

- Regional legislation (waste) : Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
- Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)

Not regulated by US DOT for ground shipment

Transportation of Dangerous Goods

Not applicable

Transport by sea

Containers < 1.3 gal. (5 L) in strong out packaging: Not Regulated

Containers > 1.3 gal. (5 L) or containers not in strong outer packaging:

- Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS AZOXYSTROBIN AND DIFENOCONAZOLE), 9, III
- UN-No. (IMDG) : 3082
- Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- Class (IMDG) : 9 - Miscellaneous dangerous substances and articles
- Packing group (IMDG) : III - substances presenting low danger
- Limited quantities (IMDG) : 5 L
- Marine pollutant : Yes



Air transport

Containers < 1.3 gal. (5 L) in strong out packaging: Not Regulated

Containers > 1.3 gal. (5 L) or containers not in strong outer packaging:

- Transport document description (IATA) : UN 3082 (CONTAINS AZOXYSTROBIN AND DIFENOCONAZOLE), 9, III
- UN-No. (IATA) : 3082
- Class (IATA) : 9 - Miscellaneous Dangerous Goods
- Packing group (IATA) : III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

Azoxystrobin	CAS-No. 131860-33-8	18.2%
Difenaconazole	CAS-No. 119446-68-3	11.4%

FIFRA Labelling

EPA Registration Number	89167-103-89391
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FIFRA Labelling	
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.	
FIFRA Signal Word	Caution
FIFRA Precautionary Statement	Call a doctor if you feel unwell. Keep out of reach of children.
FIFRA Human Health Hazards	Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.
FIFRA First Aid	<p>If swallowed:</p> <ul style="list-style-type: none"> •Call a poison control center or doctor immediately for treatment advice. •Have person sip a glass of water if able to swallow. •DO NOT induce vomiting unless told to do so by the poison control center or doctor. •DO NOT give anything by mouth to an unconscious person. <p>If on skin or clothing:</p> <ul style="list-style-type: none"> •Take off contaminated clothing. •Rinse skin immediately with plenty of water for 15-20 minutes. •Call a poison control center or doctor for treatment advice. <p>If in eyes:</p> <ul style="list-style-type: none"> •Hold eye open and rinse slowly and gently with water for 15-20 minutes. •Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. •Call a poison control center or doctor for treatment advice. <p>HOTLINE NUMBER</p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact CHEMTREC Day or Night at 1-800-424-9300 for emergency medical treatment information.</p>
FIFRA Environmental Hazards	<p>Difenoconazole is toxic to fish, mammals and aquatic invertebrates. Drift and runoff may be hazardous to estuarine/marine organisms in water adjacent to treated area.</p> <p>Azoxystrobin is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Azoxystrobin can be persistent for several months or longer.</p> <p>For terrestrial uses: DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. DO NOT contaminate water when disposing of equipment washwater or rinsate.</p> <p>Groundwater Advisory</p> <p>Azoxystrobin and a degradate of azoxystrobin are known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.</p> <p>Surface Water Advisory</p> <p>This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential loading of Azoxystrobin and a degradate of Azoxystrobin from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.</p> <p>Notify State and/or Federal authorities and INNVICTIS CROP CARE, LLC immediately if you observe any adverse environmental effects due to use of this product.</p>
FIFRA Physical Hazard	DO NOT mix or allow coming in contact with oxidizing agent. Hazardous chemical reaction may occur.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

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This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced above. The pesticide label also includes other important information, including directions for use.

15.3. US State regulations

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California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-statements:

H317	May cause an allergic skin reaction.
H320	Causes eye irritation
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.