

# Safety Data Sheet

Trilogy Analytical Laboratory  
870 Vossbrink Dr  
Washington, MO 63090  
Phone: 636-239-1521  
Fax: 636-239-1531



## 1. Company Identification and Product Information

**Product name** TR-Z100/TQC-Z100/CTRM-Z100, TR-Z500, TR-Z1000

### Other means of identification

**Description** Zearalenone in grains

### Recommended use and/or restrictions

For laboratory use only, not fit for human consumption.

### Manufacturer/Supplier information

**Company Name** Trilogy Analytical Laboratory, Inc.

**Address** 870 Vossbrink Dr.  
Washington, MO 63090

**Phone** (636) 239-1521

**Toll Free** (855) 256-8244

**Fax** (636) 239-1531

**Website** [www.trilogylab.com](http://www.trilogylab.com)

## 2. Hazard(s) Information

### Health hazard(s) (acute and chronic)

When used and handled according to specifications, this product does not have harmful effects, according to our knowledge, towards humans and/or the environment.

## 3. Composition/Information on Ingredients

### Hazardous components

<u>Specific Chemical Identity</u>	<u>CAS-No.</u>	<u>%</u>	<u>Hazard Symbol</u>
Any toxin(s) present in this material are at concentration levels below the regulatory threshold limits which require registration under the Select Agent Program as detailed in 42 CFR Part 73, 9 CFR Part 121, and 7 CFR Part 331.	N/A	N/A	N/A

**Note:** This is an agricultural product naturally contaminated with mycotoxins. As with any agricultural product, unknown components such as other mycotoxins, bacteria, fungal spores, insect debris, pesticide residues, and other unknowns could be present.



#### 4. First Aid Measures

<b>Inhalation</b>	Seek medical attention if breathing becomes difficult or labored.
<b>Skin contact</b>	Wash skin with soap and water, seek medical attention if irritation develops.
<b>Eye contact</b>	Rinse open eye under running water for at least 15 minutes. Seek medical attention if irritation develops.
<b>Ingestion</b>	If swallowed, seek immediate medical attention.
<b>Important symptoms, both acute and delayed</b>	When handled properly there are no acute or delayed symptoms to our knowledge.
<b>Indication of any immediate medical attention and special treatment</b>	No data available.

#### 5. Fire and Explosion Hazard Data

##### Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

##### Protective equipment

Firefighters should wear protective equipment and a self-contained breathing apparatus.

##### Chemical hazards from fire

No data available.

#### 6. Accidental Release Measures

**Personal precautions** Use personal protective equipment. Ensure adequate ventilation. Avoid breathing dust.

##### Environmental precautions

Prevent dispersion of material. Wipe up with damp sponge or mop.

**Clean-up measures** Contact safety officer if questions arise.

#### 7. Handling and Storage

##### Precautions for safe handling

Ensure proper ventilation/exhaustion. Avoid contact with skin and eyes. Wear proper PPE while handling material.

##### Conditions for safe storage, including any incompatibilities

Storage area should be cool and dry. There are no known incompatibilities.

##### Other precautions

Use the same caution when handling this sample as with any other agricultural product with unknown hazards.



## 8. Exposure Controls/Personal Protection

OSHA-PEL N/A

ACCIH-TLV: N/A

### Components with workplace control parameters

N/A

### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the work day. Avoid contact with eyes, skin, and clothing. Proper ventilation required.

### Personal protective equipment

Keep away from food, beverages, and feed.

#### Eye/face protection

Safety glasses with side shields.

#### Breathing equipment

In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.

#### Hand protection

Handle with chemical-resistant gloves.

#### Body protection

Wear a lab coat or other protective clothing.

## 9. Physical and Chemical Properties

**Appearance and odor** No data available.

**Boiling Point** No data available.

**Melting Point** No data available.

**Density** No data available.

**pH** No data available.

**Flash point** No data available.

**Flammability** No data available.

**Explosive Properties** No data available.

## 10. Stability and reactivity

**Reactivity** No data available.

**Stability** Stable under normal storage conditions. Avoid excess heat.

### Possibility of hazardous reactions

No data available.



**Incompatibility (materials to avoid)**

No data available.

**Hazardous decomposition or byproducts**

No data available.

**Conditions to avoid** Excessive heat.

**11. Toxicological Information**

**Effects of short-term exposure**

No data available.

**Effects of long-term exposure**

No data available.

**LD/LC50 values** Not applicable.

**Carcinogenicity classification**

**IARC** Not applicable.

**NTP** Not applicable.

**Irritant** No irritating effects known.

**Sensitization** No sensitizing effects known.

**Acute/chronic effects** No acute or chronic effects known.

**Reproductive effects** No reproductive effects known.

**12. Ecological Information**

**Eco toxicity tests** No data available.

**13. Disposal Considerations**

**Waste disposal method for unused product and contaminated packaging**

Dispose of in accordance with all applicable federal (40 CFR 261.3), state, and local environmental regulations and the European Waste catalogue, 94/3/CE and 75/442/CE.

**Container information** Do not remove labels from containers until they have been properly cleaned.

Contact a licensed professional waste disposal service to dispose of this material if questions arise.

**14. Transport Information**

**DOT Regulations** Not regulated for transport.

**Land transport ADR/RID (cross border)**

Not regulated for transport.

**Maritime transport IMDG**

Not regulated for transport.



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**Marine pollutant** No.  
**Air transport ICAO-TI and IATA-DGR**  
Not regulated for transport.

## 15. Regulatory information

### EU regulations, hazard symbol(s)

**Risk phrases** Not applicable.

**Safety phrases** Not applicable.

## 16. Other information

**Prepared By:** Trilogy Analytical Laboratory  
870 Vossbrink Dr.  
Washington, MO 63090  
P: 636-239-1521  
Email: [customerservice@trilogylab.com](mailto:customerservice@trilogylab.com)

**Version:** 4

**Revised Date:** January 24, 2020

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Trilogy Analytical Laboratory shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with any state, municipal, or insurance requirements, and constitute no warranty.