

## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture  
Product name : Cooper Farms Pullet 2 lb VTM with Ronozyme  
Product code : P\_60950\_159\_1

### 1.2. Recommended use and restrictions on use

### 1.3. Supplier

Alltech Feed  
111 W. Cherry Street, Suite 500  
Mankato, MN 56001  
T + 800-869-7219

### 1.4. Emergency telephone number

Emergency number : + 1 507 388 9400 M-F 8AM - 5PM

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS US classification

Serious eye damage/eye irritation, Category 1  
Combustible Dust

Causes serious eye damage.  
May form combustible dust concentrations in air

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

May form combustible dust concentrations in air  
Causes serious eye damage.

Precautionary statements (GHS US) :

Wear protective gloves/protective clothing/eye protection/face protection.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a poison center or doctor.

### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification

: Persons with allergies should avoid exposure.

### 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	%	GHS US classification
IRON SULF MONO 31%	(CAS-No.) 17375-41-6	5 – 10	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Zinc sulfate	(CAS-No.) 7446-19-7	5 – 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Niacinamide	(CAS-No.) 98-92-0	2.5 – 5	Eye Irrit. 2, H319

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Name	Product Identifier	%	GHS US classification
Basic copper chloride	(CAS-No.) 1332-65-6	> 1.241537342447412	Acute Tox. 4 (Oral), H302
Oil Mineral Bulk	(CAS-No.) 8042-47-5	1 – 2.5	Acute Tox. 3 (Inhalation:vapour), H331 Asp. Tox. 1, H304

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 after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- 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 after eye contact : Serious damage to eyes.

#### 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 : Water spray. Dry powder. Foam.

#### 5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : 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

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. 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.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Mechanically recover the product.
- 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 : Ensure good ventilation of the work station. Avoid dust formation. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : 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 well-ventilated place. Keep cool.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>Cooper Farms Pullet 2 lb VTM with Ronozyme</b>	
No additional information available	
<b>Basic copper chloride (1332-65-6)</b>	
No additional information available	
<b>Oil Mineral Bulk (8042-47-5)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (Inhalable fraction)
<b>IRON SULF MONO 31% (17375-41-6)</b>	
No additional information available	
<b>Niacinamide (98-92-0)</b>	
No additional information available	
<b>Zinc sulfate (7446-19-7)</b>	
No additional information available	

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the aquatic environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### 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):



##### Other information:

Persons with allergies should avoid exposure.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Colour : Mixture contains one or more component(s) which have the following colour(s):  
Yellow to orange On exposure to light: turns dark White Colourless to light yellow White to light yellow On exposure to light: yellow Colourless to white Light yellow On exposure to air: discolours On exposure to light: discolours Colourless On exposure to air: turns red to red-brown On exposure to light: turns red-brown White to yellow On exposure to light: violet Yellow-orange Green White to yellow-grey White to off-white

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Odour	: There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Odourless Almost odourless Phenol odour Mild odour Characteristic odour Vinegar odour
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: Not applicable
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: Not applicable
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

Avoid dust formation. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 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

Basic copper chloride (1332-65-6)	
LD50 oral rat	1440 mg/kg
ATE US (oral)	1440 mg/kg bodyweight

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<b>Oil Mineral Bulk (8042-47-5)</b>	
LD50 oral rat	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Read-across, Oral)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal)
LC50 inhalation rat (mg/l)	> 5 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Read-across, Inhalation (aerosol))
ATE US (vapours)	3 mg/l/4h

<b>IRON SULF MONO 31% (17375-41-6)</b>	
ATE US (oral)	500 mg/kg bodyweight

<b>Zinc sulfate (7446-19-7)</b>	
LD50 oral rat	1710 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male, Experimental value, Anhydrous form, Oral)
ATE US (oral)	1710 mg/kg bodyweight

Skin corrosion/irritation : Not classified  
 Serious eye damage/irritation : Causes serious eye damage.  
 Respiratory or skin sensitisation : Not classified  
 Germ cell mutagenicity : Not classified  
 Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Symptoms/effects after eye contact : Serious damage to eyes.

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with local/regional/national/international regulations.

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### SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

<b>Basic copper chloride (1332-65-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Oil Mineral Bulk (8042-47-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>IRON SULF MONO 31% (17375-41-6)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Niacinamide (98-92-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Zinc sulfate (7446-19-7)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	1000 lb

#### 15.2. International regulations

##### CANADA

<b>Basic copper chloride (1332-65-6)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>Niacinamide (98-92-0)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>Zinc sulfate (7446-19-7)</b>	
Listed on the Canadian DSL (Domestic Substances List)	

##### EU-Regulations

No additional information available

National regulations

No additional information available

#### 15.3. US State regulations

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

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SDS US (GHS HazCom 2012)

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