

## SAFETY DATA

### SECTION 1. IDENTIFICATION

|                                      |  |
|--------------------------------------|--|
| <b>Product Identifier</b>            | Explicit Zn7   |
| <b>Other Means of Identification</b> | Fertilizer   |
| <b>Recommended Use</b>               | Fertilizing Compound   |
| <b>Restrictions on Use</b>           | None   |
| <b>Distributor Information</b>       | SummitGold/Midwest Distributing, Inc. 2601 W. Lake Ave. Ste. A6 #314, Peoria, IL 61615 phone: (949)-413-7390 fax: (949)-582-3538 |
| <b>Emergency Phone Number</b>        | Chemtrec - Day or Night at 800-424-9300  |
| <b>SDS Number</b>                    | 119  |
| <b>Date of Preparation</b>           | 1/1/18   |

### SECTION 2. HAZARDS IDENTIFICATION

**GHS Classification** Acute Toxicity 5, Eye damage 1, Acute Aquatic Toxicity 2, Chronic Aquatic Toxicity 2  
Signal Word: Danger

**GHS Label Elements**



**Hazard Statement(s)**  
H303: May be harmful if swallowed  
H318: Causes serious eye damage  
H401: Toxic to aquatic life  
H411: Toxic to aquatic life with long lasting effects

**Precautionary Statement(s)**

**Precautionary Statements - Prevention, Response, Storage, Disposal**

P273: Avoid release to the environment.  
P280: Wear eye protection / face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P310: Immediately call a poison center or physician.  
P391: Collect spillage.  
P501: Dispose of contents/container in accordance with local/regional/national regulations.

**For Chemical Emergencies Call CHEMTREC - Day or Night at 800-424-9300**

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity: 7% Zn

| CAS#:     | Common Name/ Synonyms:   | % by Wt. |
|-----------|--------------------------|----------|
| 7446-19-7 | Zinc Sulfate Monohydrate | 20-22%   |

### SECTION 4. FIRST AID MEASURES

#### Description of first aid measures

**General Advice:** Remove contaminated clothing and shoes. Seek medical advice immediately and show safety data sheet or label to the doctor, if possible.

**If Inhaled:** Remove person from contaminated area to fresh air. If not breathing, give artificial respiration. Seek medical attention if irritation or dizziness occurs.

**In Case of Skin Contact:** Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if irritation persists.

**In Case of Eye Contact:** Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention immediately.

**If Swallowed:** Seek medical attention or call a poison control center immediately. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in section 2. Further symptoms are possible.

**Indication of any immediate medical attention and special treatment needed:** No additional information available.

### SECTION 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Suitable extinguishing media; water, dry powder, carbon dioxide, foam.

**Advice for Firefighters:** Fire fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face piece operated in a positive pressure mode.

**Further Information:** Dispose of fire debris contaminated extinguishing water in accordance with official regulations.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:** As outlined in section 8, wear appropriate respiratory, protection. Avoid breathing fume, vapors, spray, mist or gas. Use personal protective clothing. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental Precautions:** Do not allow spilled product to enter water supplies. Discharge into the environment must be avoided

**Methods and Materials for Containment and Cleaning Up:** Spills should be collected or contained by diking area with sand or soil. Cover contained spill with and inert absorbent material. Collect material and place in a container for disposal.

### SECTION 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Do not eat, drink or smoke when using this product. Wash hands and other exposed areas thoroughly after handling. Provide adequate ventilation. Protect packages against physical damage. Reseal containers immediately after use. Immediately remove and dispose of any spilled material.

**Conditions for Safe Storage, Including any Incompatibilities:** Keep container tightly closed in a dry and well ventilated area.

### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Control Parameters:**

|                          |           | ACGIH TLV |      | OSHA PEL   |      | AIHA WEEL |      |
|--------------------------|-----------|-----------|------|--|------|-----------|------|
| Chemical Identity:       | CAS#      | TWA       | STEL | TWA  | STEL | TWA       | STEL |
| Zinc Sulfate Monohydrate | 7446-19-7 | NDA       | NDA  | 5 mg/m <sup>3</sup> 8 hrs. Respirable<br>15 mg/m <sup>3</sup> 8 hrs total dust | NDA  | NDA       | NDA  |
|                          |           |           |      |  |      |           |      |

**Appropriate Engineering Controls:**

Provide sufficient ventilation to maintain airborne concentrations below the recommended exposure limits. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

**Individual Protection Measures, Such as Personal Protective Equipment:**

**Eye Protection:** Tightly fitting safety goggles or face shield if a splashing hazard exists. Use of equipment for eye protection tested and approved under appropriate government standards such as NIOSH.

**Skin Protection:** Handle with chemical resistant protective gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands.

**For Chemical Emergencies Call CHEMTREC - Day or Night at 800-424-9300**

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### SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION (CONT.)

**Body Protection:** Body protection must be chosen depending on activity and possible exposure, i.e. apron, chemical resistant footwear plus socks, long sleeved shirt, long pants, chemical protection suit.

**Respiratory Protection:** Respiratory protection is not typically required if airborne concentrations are maintained below established exposure limits. Wear a NIOSH certified (or equivalent) organic vapor/particulate respirator. Do not exceed the maximum use concentration for the respirator face piece/cartridge combination. For emergency or non-routine, high exposure situations, use a NIOSH-certified full face piece pressure demand self contained breathing apparatus (SCBA) or a full face piece pressure demand supplied air respirator (SAR) with escape provisions. Observe OSHA regulations for respirator use (29CFR 1910.134)

**General Safety and Hygiene Measures:** Eye wash fountains and safety showers must be easily accessible. Employees should wash their hands and face before eating, drinking or using tobacco products.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                    |
|---|--------------------|
| Appearance (physical state, color, etc):      | Light Brown liquid |
| Odor:   | Acidic             |
| Odor Threshold:                               | None               |
| pH:   | 3.5 - 5.5          |
| Melting point:                                | No data available  |
| Freezing point:                               | No data available  |
| Initial boiling point:                        | No data available  |
| Boiling range:                                | No data available  |
| Flash point:                                  | No data available  |
| Evaporation rate:                             | No data available  |
| Flammability (solid, gas):                    | No data available  |
| Upper/lower flammability or explosive limits: | No data available  |
| Vapor pressure:                               | No data available  |
| Vapor density:                                | No data available  |
| Relative density:                             | No data available  |
| Solubility:                                   | Soluble            |
| Partition coefficient; n-octanol/water:       | No data available  |
| Auto-ignition temperature:                    | No data available  |
| Decomposition temperature:                    | No data available  |
| Viscosity:                                    | No data available  |
| Specific gravity:                             | 1.12               |

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### SECTION 10. STABILITY AND REACTIVITY

**Reactivity:**

No Data Available

**Chemical Stability:**

Product is stable at ambient temperature and pressure, under normal storage and handling conditions.

**Possibility of Hazardous Reactions:**

No Data Available

**Conditions to Avoid (i.e. static discharge, shock or vibration)**

No Data Available

**Incompatible Materials:**

No Data Available

**Hazardous decomposition products:**

No Data Available

### SECTION 11. TOXICOLOGICAL INFORMATION

**Likely Routs of Exposure:**

Inhalation, ingestion, skin and eye contact

**Symptoms Related to Physical, Chemical and Toxicological Characteristics and Delayed and Immediate Effects and Chronic Effects from Short and Long Term Exposure:**

**Acute Toxicity:**

Acute Oral - Zinc sulfate monohydrate: LD50= 564 to 2949 mg/kg bw, (Rat)  
Acute Dermal - Zinc sulfate monohydrate: LD50 > 2000 mg/kg bw. (Rat)

**Skin Corrosion/Irritation:**

No Data Available

**Serious Eye Damage/Eye Irritation:**

Strong irritant

**Respiratory or Skin Sensitization:**

No Data Available

**Carcinogenicity:**

No Data Available

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### SECTION 11. TOXICOLOGICAL INFORMATION (CONT.)

**Germ Cell Mutagenicity:**

No data available.

**Reproductive Toxicity:**

No data available.

**Specific target organ toxicity - single or repeated exposure:**

No data available

**Aspiration Hazard:**

No data available

**Symptoms After Inhalation:**

No Data Available

**Symptoms After Skin Contact:**

May cause skin irritation.

**Symptoms After Eye Contact:**

May cause eye irritation including redness and inflammation.

**Symptoms After Ingestion:**

Harmful if swallowed.

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity (Aquatic and Terrestrial, Where Available):**

No data available.

**Toxicity to Daphnia and Other Aquatic Invertebrates (Acute and Chronic):**

Zinc Sulfate: 1.13 mg/l, exposure time: 48 h, species: Ceriodaphnia dubia.

**Toxicity to Algae:**

Zinc Sulfate: 3.73 mg/l, exposure time: 72 h, species: Selenastrum capricornutum

**Persistence and Degradability:**

No data available

**Bioaccumulative Potential:**

No data available

**Mobility in the Soil:**

No data available

**Other Adverse Effects:**

No data available on the mixture

## SAFETY DATA

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods - Product:

Dispose in accordance with all local, state and federal regulations. In unused condition, this product is not considered to be a RCRA defined hazardous waste by character/listings. It is the responsibility of the waste generator to evaluate whether the waste is hazardous by characteristic/listing.

#### Waste Treatment Methods - Container:

Containers should be cleaned of residual product before disposal. Empty containers should be disposed of in accordance with all applicable laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented incomplete, inaccurate or otherwise inappropriate.

### SECTION 14. TRANSPORT INFORMATION - US DOT, IATA, IMO, ADR:

|                              |  |                              |                                   |
|------------------------------|--|------------------------------|-----------------------------------|
| <b>Proper Shipping Name:</b> | Fertilizing Compound, NOI, Liquid - Explicit Zn7 |                              |                                   |
| <b>D.O.T. Hazard Class:</b>  | Not regulated by D.O.T.                          |                              |                                   |
| <b>Label Requirement:</b>    | None   |                              |                                   |
| <b>Placard:</b>              | None   | <b>UN#:</b>                  | N/A                               |
| <b>Packing Group:</b>        | N/A  | <b>RQ:</b>                   | N/A                               |
| <b>Environment Hazards:</b>  | No   | <b>CAS:</b>                  | Mixture                           |
| <b>Special Precautions:</b>  | No   | <b>ERG Book Information:</b> | Guide# 171                        |
|                              |  | <b>Marine Pollutant:</b>     | No                                |
|                              |  | <b>IATA:</b>                 | Not regulated as dangerous goods. |

### SECTION 15. REGULATORY INFORMATION

#### U.S. Federal - OSHA Status:

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### TSCA Status:

Listed/Non-reportable

#### SARA Title III Section 302 - EXTREMELY HAZARDOUS SUBSTANCES:

This product does NOT contain ingredients listed in Appendix A and B as extremely hazardous substances.

#### SARA Title III Sections 311/312:

Immediate (acute) health hazard

#### SARA Section 313 Toxic Chemicals:

This product contains the following toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act:

|              |                          |
|--------------|--------------------------|
| <b>CAS#:</b> | <b>Chemical Name:</b>    |
| 7446-19-7    | Zinc Sulfate Monohydrate |

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### SECTION 15. REGULATORY INFORMATION (CONT.)

**SARA Superfund Section 110:**

This product does NOT contain ingredients listed as hazardous substances on the Priority List of CERCLA Hazardous substances.

**CERCLA, 40 CFR 117,302:**

This product does NOT contain ingredients specified in the List of Extremely Hazardous Substances.

**CERCLA Listed Substance Are:**

None

**Other Federal Reporting Requirements:**

**CAA:** This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act

**CWA:** No chemicals in product are listed as Hazardous Substances, Priority Pollutants or Toxic Pollutants under the CWA.

**RCRA:** Not a hazardous waste under RCRA

**State Reporting Requirements:**

**State right to know laws:**

| CAS#      | State RTK          | Chemical Name            |
|-----------|--------------------|--------------------------|
| 7446-19-7 | NJ, PA, MA, FL, CA | Zinc Sulfate Monohydrate |

**CALIFORNIA PROPOSITION 65:**

This product does NOT contain a chemical or chemicals subject to California Proposition 65.

**Michigan Critical Materials:**

This Product does NOT contain ingredients on the Michigan Critical Materials Register.

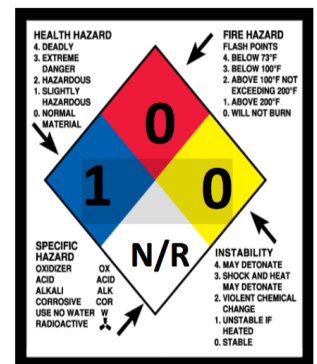
**Global Lists/ International Inventories:**

**Canada CEPA:** All components are listed on the Canadian DSL

**Canada WHMIS:** Not Controlled

### SECTION 16. OTHER INFORMATION

**NOTE SECTION 3:** Any concentration shown as a range is to protect confidentiality or is due to batch variation.





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### SECTION 16. OTHER INFORMATION (CONT)

**NOTICE:** OSHA STANDARD 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a Hazard Communication Program including training, labeling, Safety Data Sheets, and access to written records. We request that you, and it is your legal duty, to make all information in this Safety Data Sheet available to your employees

#### Key Legend Information:

|                 |  |
|-----------------|--|
| N/A:            | Not Applicable   |
| N/R:            | Not Rated  |
| ACGI:           | American Conference of Governmental Industrial Hygienists    |
| OSHA:           | Occupational Safety and Health Administration                |
| PEL:            | Permissible Exposure Limit                                   |
| STEL:           | Short Term Exposure Limit                                    |
| IARC:           | International Agency for Research on Cancer                  |
| SARA Title III: | Superfund Amendments and Reauthorization Act                 |
| CAA:            | Clean Air Act  |
| RCRA:           | Resource Conservation Recovery Act                           |
| IATA:           | International Air Transport Association Shipping Information |
| DSL:            | Domestic Substance List (Canada)                             |
| ND:             | Not Determined   |
| NDA:            | No Data Available  |
| TLV:            | Threshold Limit Value  |
| TWA:            | Time Weighted Average  |
| NTP:            | National Toxicology Program                                  |
| TSCA:           | Toxic Substance Control Act                                  |
| CERCLA:         | Comprehensive Response, Compensation and Liability Act       |
| CWA:            | Clean Water Act  |
| IMO:            | International Maritime Organization Shipping Information     |
| WHMIS:          | Workplace Hazardous Materials Information System             |

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