

# SAFETY DATA SHEET

# spectrum®



Revision date 12-March-2021

Revision Number 2

## 1. Identification

### Product identifier

**Product Name** ZINC METAL, GRANULAR, REAGENT, ACS

### Other means of identification

**Product Code(s)** Z1010

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** No information available

**Restrictions on use** No information available

### Details of the supplier of the safety data sheet

#### Supplier Address

Spectrum Chemical Mfg. Corp.  
14422 South San Pedro St.  
Gardena, CA 90248  
(310) 516-8000

### Emergency telephone number

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. Hazard(s) identification

### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

#### Hazard statements

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Appearance** Granular Metal

**Physical state** Solid

**Odor** No information available

**Other information**

No information available.

**3. Composition/information on ingredients****Substance**

| Chemical name | CAS No    | Weight-% | Trade secret |
|---------------|-----------|----------|--------------|
| Zinc Metal    | 7440-66-6 | 100      | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First-aid measures****Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Remove to fresh air.   |
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| <b>Skin contact</b> | Wash skin with soap and water.   |
| <b>Ingestion</b>    | Clean mouth with water and drink afterwards plenty of water.   |

**Most important symptoms and effects, both acute and delayed****Symptoms** No information available.**Indication of any immediate medical attention and special treatment needed****Note to physicians** Treat symptomatically.**5. Fire-fighting measures**

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                            |
| <b>Large Fire</b>                                     | CAUTION: Use of water spray when fighting fire may be inefficient.   |
| <b>Unsuitable extinguishing media</b>                 | Do not scatter spilled material with high pressure water streams.  |
| <b>Specific hazards arising from the chemical</b>     | No information available.  |
| <b>Explosion data</b>                                 |  |
| <b>Sensitivity to mechanical impact</b>               | none.  |
| <b>Sensitivity to static discharge</b>                | none.  |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

**6. Accidental release measures**

## **Personal precautions, protective equipment and emergency procedures**

**Personal precautions**                      Ensure adequate ventilation.

## **Methods and material for containment and cleaning up**

**Methods for containment**                      Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**                      Pick up and transfer to properly labeled containers.

## **7. Handling and storage**

### **Precautions for safe handling**

**Advice on safe handling**                      Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions**                      Keep container tightly closed in a dry and well-ventilated place.

## **8. Exposure controls/personal protection**

### **Control parameters**

**Exposure Limits**                      The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

### **Appropriate engineering controls**

**Engineering controls**                      Showers  
Eyewash stations  
Ventilation systems.

### **Individual protection measures, such as personal protective equipment**

**Eye/face protection**                      No special protective equipment required.

**Skin and body protection**                      No special protective equipment required.

**Respiratory protection**                      No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**                      Handle in accordance with good industrial hygiene and safety practice.

## **9. Physical and chemical properties**

### **Information on basic physical and chemical properties**

**Physical state**                      Solid  
**Appearance**                      Granular Metal  
**Color**                      Gray; blue

**Odor** No information available  
**Odor threshold** No information available

| <u>Property</u>                               | <u>Values</u>   | <u>Remarks • Method</u> |
|---|---|-------------------------|
| <b>pH</b>                                     | no data available   | None known              |
| <b>Melting point / freezing point</b>         | 419 °C / 786.2 °F   | None known              |
| <b>Boiling point / boiling range</b>          | 907 °C / 1664.6 °F  | None known              |
| <b>Flash point</b>                            | no data available   | None known              |
| <b>Evaporation rate</b>                       | no data available   | None known              |
| <b>Flammability (solid, gas)</b>              | no data available   | None known              |
| <b>Flammability Limit in Air</b>              |   | None known              |
| <b>Upper flammability or explosive limits</b> | No data available   |                         |
| <b>Lower flammability or explosive limits</b> | No data available   |                         |
| <b>Vapor pressure</b>                         | No data available   | None known              |
| <b>Vapor density</b>                          | no data available   | None known              |
| <b>Relative density</b>                       | no data available   | None known              |
| <b>Water solubility</b>                       | Insoluble in water  | None known              |
| <b>Solubility(ies)</b>                        | Insoluble in Acetone<br>Insoluble in diethyl ether<br>Insoluble in methanol<br>Insoluble in n-octanol | None known              |
| <b>Partition coefficient</b>                  | No data available   | None known              |
| <b>Autoignition temperature</b>               | no data available   | None known              |
| <b>Decomposition temperature</b>              |   | None known              |
| <b>Kinematic viscosity</b>                    | no data available   | None known              |
| <b>Dynamic viscosity</b>                      | No data available   | None known              |
| <b><u>Other information</u></b>               |   |                         |
| <b>Explosive properties</b>                   | No information available  |                         |
| <b>Oxidizing properties</b>                   | No information available  |                         |
| <b>Softening point</b>                        | No information available  |                         |
| <b>Molecular weight</b>                       | 65.39   |                         |
| <b>VOC Content (%)</b>                        | No information available  |                         |
| <b>Liquid Density</b>                         | No information available  |                         |
| <b>Bulk density</b>                           | No information available  |                         |

## 10. Stability and reactivity

**Reactivity** No information available.

**Chemical stability** Stable under normal conditions.

**Possibility of hazardous reactions** None under normal processing.

**Conditions to avoid** None known based on information supplied.

**Incompatible materials** None known based on information supplied.

**Hazardous decomposition products** None known based on information supplied.

## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion**

Specific test data for the substance or mixture is not available.

**Symptoms related to the physical, chemical and toxicological characteristics****Symptoms** No information available.**Acute toxicity****Numerical measures of toxicity****Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation** No information available.**Serious eye damage/eye irritation** No information available.**Respiratory or skin sensitization** No information available.**Germ cell mutagenicity** No information available.**Reproductive toxicity** No information available.**STOT - single exposure** No information available.**STOT - repeated exposure** No information available.**Aspiration hazard** No information available.**Other adverse effects** No information available.**Interactive effects** No information available.**12. Ecological information****Ecotoxicity**

| Chemical name           | Algae/aquatic plants  | Fish  | Toxicity to microorganisms | Crustacea                                    |
|-------------------------|---|---|----------------------------|--|
| Zinc Metal<br>7440-66-6 | EC50: 0.09 - 0.125mg/L (72h, Pseudokirchneriella subcapitata) EC50: 0.11 - 0.271mg/L (96h, Pseudokirchneriella subcapitata) | LC50: 0.211 - 0.269mg/L (96h, Pimephales promelas) LC50: 2.16 - 3.05mg/L (96h, Pimephales promelas) LC50: =0.24mg/L (96h, Oncorhynchus mykiss) LC50: =0.41mg/L (96h, Oncorhynchus mykiss) LC50: =0.45mg/L (96h, Cyprinus carpio) LC50: =0.59mg/L (96h, Oncorhynchus mykiss) LC50: =2.66mg/L (96h, Pimephales promelas) LC50: =3.5mg/L (96h, Lepomis macrochirus) LC50: =30mg/L (96h, Cyprinus carpio) LC50: =7.8mg/L (96h, Cyprinus carpio) | -                          | EC50: 0.139 - 0.908mg/L (48h, Daphnia magna) |

**Persistence and degradability** No information available.**Bioaccumulation** Inherently biodegradable.**Other adverse effects** No information available.

## 13. Disposal considerations

### Waste treatment methods

|  |   |
|--|---|
| <b>Waste from residues/unused products</b> | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| <b>Contaminated packaging</b>              | Do not reuse empty containers.  |

## 14. Transport information

|                          |               |
|--------------------------|---------------|
| <b><u>DOT</u></b>        | not regulated |
| <b><u>TDG</u></b>        | not regulated |
| <b><u>MEX</u></b>        | not regulated |
| <b><u>ICAO (air)</u></b> | not regulated |
| <b><u>IATA</u></b>       | not regulated |
| <b><u>IMDG</u></b>       | not regulated |
| <b><u>RID</u></b>        | not regulated |
| <b><u>ADR</u></b>        | not regulated |
| <b><u>ADN</u></b>        | not regulated |

## 15. Regulatory information

### International Inventories

|                      |   |
|----------------------|---|
| <b>TSCA</b>          | Complies  |
| <b>DSL/NDSL</b>      | Complies  |
| <b>EINECS/ELINCS</b> | Complies  |
| <b>ENCS</b>          | This product complies with ENCS:  |
| <b>IECSC</b>         | This product complies with China:   |
| <b>KECL</b>          | Complies  |
| <b>PICCS</b>         | Complies  |
| <b>AICS</b>          | All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS). |

### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical name          | SARA 313 - Threshold Values % |
|------------------------|-------------------------------|
| Zinc Metal - 7440-66-6 | 1.0                           |

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

| Chemical name           | Hazardous Substances RQs            | Extremely Hazardous Substances RQs |
|-------------------------|-------------------------------------|------------------------------------|
| Zinc Metal<br>7440-66-6 | 454 kg final RQ<br>1000 lb final RQ | -                                  |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated under applicable state right-to-know regulations

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

**NFPA**

Health hazards 2

Flammability 0

Instability 0

Physical and chemical properties -

**HMIS**

Health hazards 2

Flammability 0

Physical hazards 0

Personal protection X

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Revision date** 12-March-2021  
**Revision Note** No information available.

**Disclaimer**

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**End of Safety Data Sheet**