

## SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name           Zinc, shot  
CAS number            7440-66-6  
Synonyms               Zinc metal

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses           Laboratory chemicals.

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

Company                    Lab Alley, LLC  
                                  12501 Pauls Valley Road  
                                  Austin, Texas 78737  
                                  U.S.A.  
  
Telephone                 512-668-9918  
Fax                         512-886-4008

#### 1.4 Emergency telephone

Emergency Phone #           US & Canada: 1-800-535-5053           INFOTRAC  
                                  International 1-352-323-3500           INFOTRAC

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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

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

None required.

#### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None identified.

### SECTION 3: Composition/information on ingredients

#### 3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Zinc metal	Zinc	7440-66-6	> 98%

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

##### General advice

**If inhaled** Remove from exposure, lie down. Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

**In case of skin contact** Wash off immediately with soap and plenty of water. Get medical attention.

**In case of eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

**If swallowed** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention. If possible, drink milk afterwards.

#### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Note to Physician: Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media** No information available.

**Unsuitable extinguishing media** Water.

#### 5.2 Specific hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.

### 5.3 Special protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 5.4 Further information

**Flash Point** No information available.

**Autoignition Temperature** 460 °C / 860 °F

#### Explosion limits

**Upper** No information available.

**Lower** No information available.

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge** No information available.

#### NFPA

Health	Flammability	Instability	Physical hazards
1	1	0	N/A

## SECTION 6: Accidental release measures

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

Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation.

### 6.2 Environmental precautions

Should not be released into the environment. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

### 6.4 Reference to other sections

See Section 2 for full list of hazard and precaution statements.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Precautions on safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.

#### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

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

#### **Storage conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place.

#### **Incompatibilities**

Strong oxidizing agents. Strong acids. Strong bases. Amines. Combustible material. Peroxides. Metals.

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Occupational exposure limits**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### **8.2 Exposure controls**

#### **Appropriate engineering controls**

None under normal use conditions.

#### **Personal protective equipment**

##### **Eye/face protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

##### **Skin protection**

Wear appropriate protective gloves.

##### **Body Protection**

Wear appropriate clothing to prevent skin exposure.

##### **Respiratory protection**

No protective equipment is needed under normal use conditions.

##### **Control of environmental exposure**

Do not let product enter drains.

## **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

Physical State	Solid
Appearance	Grey
Odor	No information available.
Odor Threshold	No information available.
pH	No information available.
Melting Point/Range	419 °C / 786.2 °F
Boiling Point/Range	907 °C / 1664.6 °F
Evaporation Rate	Not applicable.
Flammability (solid)	No information available.
Flammability or explosive limit	
Upper	No information available.
Lower	No information available.
Vapor Pressure	1.3 mbar @ 478 °C
Vapor Density	Not applicable.
Density	7.14
Solubility	Insoluble in water.
Partition coefficient; n-octanol/water	No information available.
Autoignition Temp	460 °C / 860 °F
Decomposition Temp	No information available.
Viscosity	Not applicable.
Molecular Formula	Zc
Molecular Weight	65.36
VOC Content(%)	No information available.
Oxidizing properties	No information available.

## 9.2 Other safety information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None known, based on information available.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to avoid

Incompatible products. Excess heat. Avoid dust formation.

### 10.5 Incompatible materials

Strong oxidizing agents, Strong acids, Strong bases, Amines, Combustible material, Peroxides, Metals.

**10.6 Hazardous decomposition products**  
Nitrogen oxides (NOx), Sulfur oxides, Ammonia

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Product Information, Component Information**

**Acute toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Zinc metal	630 mg/kg (rat)	Not listed	Not listed

**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.

**Carcinogenicity**

Component	CAS	IARC	NTP	ACGIH	OSHA	Mexico
Zinc metal	7440-66-6	Not listed	Not listed	Not listed	Not listed	Not listed

**Specific target organ toxicity - single exposure**

None known.

**Specific target organ toxicity - repeated exposure**

None known.

**Reproductive toxicity**

No information available.

**Chronic effects**

No information available.

**11.2 Additional Information**

The toxicological properties have not been fully investigated.

**SECTION 12: Ecological information**

## 12.1 Toxicity

Product		Species	Test Results
Zinc metal	EC50	P. subcapitata	0.11 - 0.271 mg/L static 96 h
	EC50	P. subcapitata	0.09 - 0.125 mg/L static 72 h
	LC50	Oncorhynchus mykiss	0.41 mg/L static 96 h
	LC50	Oncorhynchus mykiss	0.59 mg/L semi-static 96 h
	LC50	Pimephales promelas	2.16 - 3.05 mg/L flow-through 96 h
	LC50	Pimephales promelas	0.211 - 0.269 mg/L semi-static 96 h
	LC50	Pimephales promelas	2.66 mg/L static 96 h
	LC50	Cyprinus carpio	30 mg/L 96 h
	LC50	Cyprinus carpio	0.45 mg/L semi-static 96 h
	LC50	Oncorhynchus mykiss	7.8 mg/L static 96 h
	LC50	Lepomis macrochirus	3.5 mg/L static 96 h
	EC50	Daphnia magna	0.139 - 0.908 mg/L static 48 h

## 12.2 Persistence and degradability

Insoluble in water.

## 12.3 Bio accumulative potential

No information available.

## 12.4 Mobility in soil

Is not likely be mobile in the environment due to its low water solubility.

## 12.5 Results of PBT and vPvB assessment

No information available.

## 12.6 Endocrine disrupting properties

No information available.

## 12.7 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14: Transport information

### DOT (US)

Not regulated.

### IMDG

Not regulated.

### IATA

Not regulated.

## SECTION 15: Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not listed.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Listed. RQ: 1000 lb

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 311/312 Hazardous

See section 2 for more information.

#### SARA 313 (TRI reporting)

Regulated. Weight: <= 100%; Threshold values: 1.0%

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.



**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act**

Not regulated.

**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

Not listed.

**US state regulations**

**US. Massachusetts RTK - Substance List**

Listed.

**US. New Jersey Worker and Community Right-to-Know Act**

Listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Listed.

**California Proposition 65**

Not listed.

**SECTION 16: Other information**

Issue date: 10/10/2024

**SECTION 17: Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.