



Material Safety Data Sheet Zinc, Granular

Section 1 - Chemical Product and Company Identification

MSDS Name:

Zinc, Granular

Catalog Numbers:

LC27060

Synonyms:

None.

Company Identification:

LabChem Inc
200 William Pitt Way
Pittsburgh, PA 15238

Company Phone Number:

(412) 826-5230

Emergency Phone Number:

(800) 424-9300

CHEMTREC Phone Number:

(800) 424-9300 or
011-703-527-3887

Section 2 – Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7440-66-6	Zinc	100

Section 3 - Hazards Identification

Emergency Overview

Appearance: *Silver white granules*

Caution. *May cause irritation to eyes, skin, and gastrointestinal tract.*

Target Organs: *None known.*

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

May cause irritation of the digestive tract.

Inhalation:

May cause respiratory tract irritation.

Chronic:

No information found.



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Section 4 - First Aid Measures

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

Skin:

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:

If victim is conscious, give 2-4 glasses of water. Get medical aid at once.

Inhalation:

Move victim to fresh air. If breathing is difficult, give oxygen. Give artificial respiration if necessary. Get medical aid.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

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

Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Autoignition Temperature:

No information found.

Flash Point:

No information found.

NFPA Rating:

CAS# 7440-66-6: Health- 0, Flammability- 0, Instability- 1.

Explosion Limits:

Lower: n/a Upper: n/a

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Scoop material into suitable (plastic or glass) container, and label for disposal.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Do not ingest or inhale. Avoid contact with eyes, skin, and clothing.



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Storage:

Store in a cool, dry area away from incompatible materials.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities using or storing this material should be equipped with an eyewash and safety shower.

Exposure Limits:

Chemical Name:	ACGIH	NIOSH	OSHA
Zinc	None of the components are on this list	None of the components are on this list	None of the components are on this list

OSHA Vacated PELs:

None.

Personal Protective Equipment**Eyes:**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133. Do not wear contact lenses when working with chemicals.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respiratory protection regulations found in 29 CFR 1910.134 whenever exposure limits are exceeded or irritation or other symptoms are experienced

Section 9 - Physical and Chemical Properties

Physical State:	Granules
Color:	Silver white
Odor:	Odorless
pH:	No information found.
Vapor Pressure:	No information found.
Vapor Density:	No information found.
Evaporation Rate:	No information found.
Viscosity:	No information found.
Boiling Point:	907°C (1,664.60°F)
Freezing/Melting Point:	419°C (786.20°F)
Decomposition Temperature:	No information found.
Solubility in water:	Insoluble.
Specific Gravity/Density:	7.41
Molecular Formula:	No information found.
Molecular Weight:	No information found.

Section 10 - Stability and Reactivity



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Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, exposure to moisture.

Incompatibilities with Other Materials:

Acids, sodium hydroxide, chlorates, strong oxidizers, halogenated compounds.

Hazardous Decomposition Products:

Reacts with acids to produce hydrogen gas.

Hazardous Polymerization:

Has not been reported.

Section 11 - Toxicological Information

RTECS:

CAS# 7440-66-6: ZG8600000.

LD50/LC50:

CAS# 7440-66-6:

Oral, duck: LDLo = 388 mg/kg.

Carcinogenicity:

CAS# 7440-66-6: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:

No information found

Teratogenicity:

No information found

Reproductive:

No information found

Mutagenicity:

No information found

Neurotoxicity:

No information found

Section 12 - Ecological Information

No information found

Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated

Hazard Class:

UN Number:

Packing Group:



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Section 15 - Regulatory Information

US Federal

TSCA:

CAS# 7440-66-6 is listed on the TSCA Inventory.

SARA Reportable Quantities (RQ):

CAS# 7440-66-6: final RQ = 1000 pounds (454 kg)

CERCLA/SARA Section 313:

This material contains Zinc (CAS# 7440-66-6, 100%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373

OSHA - Highly Hazardous:

None of the components are on this list.

US State

State Right to Know:

Zinc can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Massachusetts.

California Regulations:

None.

European/International Regulations

Canadian DSL/NDSL:

CAS# 7440-66-6 is listed on Canada's DSL List.

Canada Ingredient Disclosure List:

CAS# 7440-66-6 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: September 6, 1998

Revision Date: December 31, 2009

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