

Safety Data Sheet

Safety Data Sheet

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Collect spillage.

Section 7 Handling and Storage

Handling: Keep away from any possible contact with water, because of violent reaction and possible flash fire. Handle under inert gas. Protect from moisture. Keep cool. Protect from sunlight. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use only in well-ventilated areas. Do not breathe dust.

Storage: Keep cool. Protect from sunlight. Store in a dry place. Store in a closed container. Maintain air gap between stacks/pallets. Store bulk masses greater than ... kg/... lbs at temperatures not exceeding ...°C/...°F. Store away from other materials. Keep container tightly closed in a cool, well-ventilated place.

Storage Code: Green - general chemical storage

Section 8 Protection Information

<u>Chemical Name</u>	<u>(TWA)</u>	<u>ACGIH</u>	<u>(STEL)</u>	<u>(TWA)</u>	<u>OSHA PEL</u>	<u>(STEL)</u>
Zinc	N/A		N/A	N/A		N/A

Control Parameters

Engineering Measures:

No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

Personal Protective Equipment (PPE):

Lab coat, apron, eye wash, safety shower.

Respiratory Protection:

No respiratory protection required under normal conditions of use.

Respirator Type(s):

None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection. Wear chemical splash goggles when handling this product. Have an eye wash station available.

Eye Protection:

Skin Protection:

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves:

Nitrile

Section 9 Physical Data

Formula: Zn
Molecular Weight: 65.38
Appearance: Grey Metallic Solid
Odor: None
Odor Threshold: No data available
pH: No data available
Melting Point: 419 C
Boiling Point: 907 C
Flash Point: No data available
Flammable Limits in Air: No data available

Vapor Pressure: 1.33 hPa at 487 °C
Evaporation Rate (BuAc=1): No data available
Vapor Density (Air=1): No data available
Specific Gravity: 7.12
Solubility in Water: Practically Insoluble
Log Pow (calculated): No data available
Autoignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: No data available
Percent Volatile by Volume: No data available

Section 10 Reactivity Data

Reactivity: Not generally reactive under normal conditions.
Chemical Stability: Stable under normal conditions.
Conditions to Avoid: No data available.
Incompatible Materials: Strong oxidizing agents, Strong acids, hydrogen chloride
Hazardous Decomposition Products: Zinc Oxides
Hazardous Polymerization: Will not occur

Section 11 Toxicity Data

Routes of Entry Inhalation and ingestion.

Zinc, Metal

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Symptoms (Acute): Muscle Weakness, Vomiting, Nausea, Anemia
Delayed Effects: No data available

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
Zinc	7440-66-6	Not determined	Not determined	Not determined

Carcinogenicity:

Chemical Name	CAS Number	IARC	NTP	OSHA
Zinc	7440-66-6	Not listed	Not listed	Not listed

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.
Teratogenicity: No evidence of a teratogenic effect (birth defect).
Sensitization: No evidence of a sensitization effect.
Reproductive: No evidence of negative reproductive effects.
Target Organ Effects:
Acute: No data available
Chronic: No data available

Section 12

Ecological Data

Overview: Severe ecological hazard. This product may be toxic to plants and/or wildlife.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: No data
Other Adverse Effects: No data

Chemical Name

Zinc, Metal

CAS Number

7440-66-6

Eco Toxicity

96 HR LC50 PIMEPHALES PROMELAS 2.66 MG/L [STATIC]
96 HR LC50 CYPRINUS CARPIO 30 MG/L
96 HR LC50 CYPRINUS CARPIO 7.8 MG/L [STATIC]
96 HR LC50 LEPOMIS MACROCHIRUS 3.5 MG/L [STATIC]

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7440-66-6

Zinc

No

454 kg final
RQ (no
reporting of
releases of
this hazardous
substance is
required if the
diameter of the
pieces of the
solid metal
released is
>100 µm);
1000 lb final
RQ (no
reporting of
releases of
this hazardous
substance is
required if the
diameter of the
pieces of the
solid metal
released is
>100 µm)

No

No

Section 16

Additional Information

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Replaces: 10/13/2015

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The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
CAS	Chemical Abstract Service Number	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
DOT	U.S. Department of Transportation	ppm	Parts per million
IARC	International Agency for Research on Cancer	RCRA	Resource Conservation and Recovery Act
N/A	Not Available	SARA	Superfund Amendments and Reauthorization Act
		TLV	Threshold Limit Value
		TSCA	Toxic Substances Control Act
		IDLH	