

1. Identification

Product Code CZ2504-60

Product Name ZINC POWDER L.R.

Molecular Formula Zn =65.38

CAS Number 7440-66-6

Supplier:  **BEECROFT & PARTNERS**
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(Have this document to hand)

2. Composition

No hazardous components

3. Hazards Identification

Flammable. Contact with water liberates highly flammable gases.

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure. Keep warm and at rest. If conscious place in a sitting position. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. OBTAIN MEDICAL ATTENTION.

Ingestion If conscious give plenty of water to drink. Do not induce vomiting. OBTAIN MEDICAL ATTENTION URGENTLY.

5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire. Reacts with water to form extremely flammable gas.

Extinguishing Media Dry chemical powder.

Unsuitable Media Do not allow water to come into direct contact with material.

6. Accidental Release Measures

Personal Protection	Use approved personal protective equipment. Avoid breathing dust-wear respiratory protective equipment. Ensure no sources of ignition. Avoid raising dust clouds- explosion risk.
Environmental	Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
Major Spillage	Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction.
Minor Spillage	Shovel/sweep up into container for removal

7. Storage & Handling

Handling Precautions	Avoid contact with water, acids or other aqueous solutions. Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.
Storage Conditions	Store in a dry place protected against moisture and water. Keep well protected from ingress of water and well separated from acids

8.1 Occupational Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory	Use L.E.V. or natural ventilation to maintain dust concentrations below exposure limits.
Hands	Wear gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin.

9. Physical & Chemical Properties

Appearance	Fine silvery-grey metallic powder.
Odour	No specific odour.
pH	Not available
Boiling point	907.0 °C
Melting point	419.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	Can form explosive dust clouds.
Oxidising Properties	No.
Vapour Pressure	Negligible
Relative Density	7.1000
Water Solubility	Reacts with water evolving a flammable gas.

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions but decomposes violently in contact with water.
Conditions to Avoid	Avoid contact with water or water vapour.
Materials to Avoid	Contact with acids, alkalis, or water will release extremely flammable hydrogen gas. Avoid contact with chlorinated solvents and sulphur. Strong oxidising agents.
Hazardous Decomposition Products	Decomposes to emit highly irritant fumes.

11. Toxicological Information

Eyes	The dust is irritating to the eyes.
Skin	Prolonged or repeated exposure may cause irritation and dermatitis.
LD50 Skin	Not available
Ingest	Low order of acute toxicity.
LD50 Ingest	Not available
Inhalation	Prolonged exposure to dust or fume concentrations above the occupational exposure limits will produce irritation of the eyes and respiratory tract.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	No information is available.

12. Ecological

None unusual.

13. Disposal Considerations

Disposal Methods	Small amounts may be carefully decomposed in a large excess of water.
Contaminated Packaging	Use a licensed waste disposer.

14. Transport Information

Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	Not available
Packing Group	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

15. Regulatory Information

Labelling	Flammable.
Classification	
Label Symbols	None
Risk & safety Phrases	Flammable. Contact with water liberates highly flammable gases. Keep out of reach of children. Keep container tightly closed and dry. In case of fire use dry powder extinguisher - Never use water.
EEC Number	231-175-3

16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC.
	The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.
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