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SECTION 1: IDENTIFICATION

Effective Date: 9/22/95
Product Name: ZINC POWDER
CAS No.: 7440-66-6

SECTION 2: HAZARDOUS INGREDIENTS:

Slightly dangerous to dangerous in case of eye contact (irritant), of ingestion, of inhalation.

SECTION 3: PHYSICAL DATA

Physical Data:

Appearance and Odor:	Bluish white lustrous metal; odorless
Boiling point:(760 mmHg)	907°C
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water = 1):	7.86
Solubility in water:(by weight)	insoluble in water
Melting Point:	419.5°C
Volatility:	n/a
Vapor Density:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Fire and Explosion Information:

Combustible:	Flammable solid
Flash point:	n/a
Flammable limit:	n/a
Extinguishing Media:	Flammable solid in powder form. If metal is burning, DO NOT use water, CO ₂ , or halogenated extinguishing agents. USE dry chemical extinguishing agents, dry sand or dry ground dolomite.
Unusual Fire and Explosion Hazards:	Flammable in the form of dust when exposed to heat or flame. May ignite spontaneously in air when dry. Fine powders or dust can liberate hydrogen in contact with acids or alkalis. In contact with atmospheric oxygen and limited amounts of water, zinc dust will generate heat and may become incandescent.

SECTION 5: REACTIVITY DATA

Reactivity Data:

Stable X Unstable

Incompatibilities/Conditions to Avoid:

Very slightly to slightly reactive with oxidizing agents, acids, moisture

Hazardous Decomposition or byproducts:

Products of degradation are more toxic than original product.

Hazardous Polymerization:

no

SECTION 6: HEALTH HAZARD DATA

Threshold Limit Value (TLV):

n/a

Routes of Entry:

ingestion, inhalation

Toxicity:**TC_{L0} (human):**

124 mg/kg/50 min.

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage: Flammable solid. Wearing full protective equipment, cover spill with dry sand or vermiculite. Mix well and carefully transfer to a container

Disposal: Consult your local or regional authorities.

SECTION 8: FIRST AID PROCEDURES**First Aid:**

Eyes: Powder may cause irritation.

Skin: Powder may cause irritation.

Inhalation: Allow victim to rest in well ventilated area. Zinc oxide fumes may cause metal fume fever. Seek medical attention. If person is not breathing, perform mouth to mouth resuscitation. If breathing is difficult, administer oxygen. Loosen tight clothing.

Ingestion: Remove dentures if any. Watch for an obstruction in victim's mouth. Remove if possible what is causing obstruction but do not force fingers or hard object between victim's teeth. Have conscious person drink several glasses of water or milk. Induce vomiting by sticking finger in throat. Lower head so vomit will not enter the mouth and throat. Never give an unconscious person anything to ingest. Seek medical attention.

SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Other Precautions: Keep away from heat and sources of ignition. Keep container dry, tightly closed, and in well ventilated, cool place. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear respiratory equipment if necessary. Wear suitable protective clothing. Flammable materials should be stored in a separate safety storage cabinet or room. If you feel unwell, seek medical attention and show the label when possible.

SECTION 10: SPECIAL PROTECTION INFORMATION

Ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits.

Eye Protection: Splash goggles

Protective Gloves: yes - in case of large spill

Respiratory Protection: Dust respirator

Other Protective Gear: Lab coat

SECTION 11: TRANSPORT INFORMATION

DOT classification: Class 4.1: flammable solid; UN1436, metal powder, flammable, n.o.s. (zinc powder), PGIII

DOT pictograms: Flammable solid 4