Hardy Diagnostics

Safety Data Sheet

1. Product And Company Identification

1.1. **Product identifiers**

Product Name: **Nitrate Reagent C**
Other Common Names: None
Catalog Number: Z73

1.2. **Recommended use**

For the completion of the nitrate reduction test. Confirms negatives after adding Nitrate A, product number Z124 or Z71; and Nitrate B, product number Z125 or Z72 reagents.

1.3. **Details of the supplier of this Safety Data Sheet**

Company: Hardy Diagnostics
1430 West McCoy Lane
Santa Maria, CA 93455

Telephone: (805) 346-2766
(800) 266-2222

Emergency Phone: (800) 424-9300 ChemTrec (24hr service)

2. Hazards Identification

2.1. **Classification of substance or mixture**

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS)
Acute Aquatic Toxicity (Category 1), H400
Chronic Aquatic Toxicity (Category 1), H410

2.2. **GHS Label elements, including precautionary statements**

Pictogram:	
Signal Word:	**Warning**
Hazard Statements:	
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long-lasting effects.
Precautionary Statements:	
P273	Avoid release to the environment.
P391	Collect spillage.
P501	Dispose of contents or container at an approved waste disposal facility, according to applicable regulations.

2.3. **Hazards not otherwise classified or not covered by GHS**

No data available.

3. Composition / Information on Ingredients

3.1. **Mixtures**

Hazardous components:

Substance:	Concentration:	Hazard Information:
Zinc Metals Powder (CAS# 7440-66-6)	100%	Acute Aquatic Toxicity 1, Chronic Aquatic Toxicity 1

4. First Aid Measures

4.1. **Description of first aid measures**

Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration and immediately seek medical attention.
Ingestion:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical advice.
Skin Contact:	Immediately wash thoroughly with soap and water. If irritation persists, consult a physician. Avoid touching contaminated clothing.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids open. If irritation persists, consult a physician.

4.2. **Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3. **Indication of any immediate medical attention and special treatment needed**

No data available.

5. Firefighting Measures

5.1. **Extinguishing media**

DO NOT USE WATER. Use approved Class D extinguishers or smother with dry sand, dry ground limestone or dry clay.

5.2. **Special hazards arising from the substance or mixture**

No data available.

5.3. **Advice for firefighters**

In the event of a fire, wear protective clothing and NIOSH-approved breathing apparatus necessary to prevent any possible irritation.

5.4. **Further information**

No data available.

6. Accidental Release Measures

6.1. **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment: chemical resistant gloves, NIOSH/MSHA approved respirator. Keep unprotected persons away. **Environmental precautions**

No data available.

6.2. **Methods and materials for containment and cleaning up**

Ventilate area of leak or spill. Remove all sources of ignition. Recover spill or leak with inert material such as vermiculite or sand. Contain recover material in a suitable receptacle. Use non-sparking tools and equipment.

6.3. **Reference to other sections**
For disposal, see section 13.

7. Handling and Storage

7.1. **Precautions for safe handling**
Wear appropriate personal protective equipment.

7.2. **Conditions for safe storage, including any incompatibilities**
Keep container tightly closed. Store in a cool dry place in accordance with specified storage conditions. Keep away from any possible contact with water.

7.3. **Specific end uses**
Apart from uses mentioned in section 1.2, not other specific uses are stipulated.

8. Exposure Controls/Personal Protection

8.1. **Control parameters**
No data available.

8.2. **Appropriate engineering controls**
Safety shower and eye bath. Mechanical exhaust required.

8.3. **Personal protective equipment**

Eye/Face:	Safety goggles.
Skin:	Chemical resistant gloves.
Respiratory:	NIOSH/MSHA approved respirator.
Thermal Hazards:	No data available.

9. Physical and Chemical Properties

9.1. **Information on basic physical and chemical properties**

Appearance:	Physical State: Solid Color: Gray
Odor:	Odorless
Odor Threshold:	Not Determined
pH:	Not applicable
Melting/Freezing Point:	419°C
Boiling Point:	907°C
Flash Point:	Not Determined
Evaporation Rate:	Not Determined
Flammability:	Not Determined
Explosion Limits:	Not Determined
Vapor Pressure:	Not Determined
Vapor Density:	Not Determined
Relative Density:	Not Determined
Water Solubility:	Insoluble
Partition coefficient (n-octanol/water):	Not Determined
Auto-ignition Temperature:	Not Determined
Decomposition Temperature:	Not Determined
Viscosity:	Not Determined
Explosive Properties:	Not Determined
Oxidizing Properties:	Not Determined

9.2. **Other safety information**
No data available.

10. Stability and Reactivity

Reactivity	No data available.
Chemical stability	This product is stable under ordinary conditions of use and storage.
Possibility of hazardous reactions	No data available.
Conditions to avoid	Moisture sensitive. Incompatible with strong acids and bases, amines, cadmium, chlorinated solvents, and sulfur.
Incompatible materials	No data available.
Hazardous decomposition products	No dangerous decomposition products known.

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity – single exposure	No data available
Specific target organ toxicity – repeated exposure	No data available
Aspiration Hazard	No data available
Additional information	No data available.

12. Ecological Information

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Other adverse effects	No data available

13. Disposal Considerations

13.1. Waste disposal

Dispose of in accordance with applicable state and federal regulations.

Disposal must be in accordance with regulations 40 CFR 261.

14. Transport Information

DOT hazard class	Class 4.3: Dangerous when wet material.
Shipping name	Zinc Powder
Identification number	UN1436
Packing group	PG:I

15. Regulations

Carcinogenicity	Yes/No
NTP:	No
IARC:	No
OSHA:	No
California Prop 65:	No
IATA:	No

16. Other Information

The above information, to the best of our knowledge, is accurate. Hardy Diagnostics assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.