

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 reagent (Sulfanilic Acid) and Nitrate B reagent (Naphthylamine).

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

Substances and mixtures which, in contact with water, emit flammable gas (Category 1), H260

Combustible dust, H500

2.2. GHS Label elements, including precautionary statements

Pictogram:	
Signal Word:	Danger
Hazard Statements:	
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long-lasting effects.
H260	In contact with water releases flammable gases which may ignite spontaneously
H500	May form combustible dust concentrations in air
Precautionary Statements:	
P223	Do not allow contact with water
P273	Avoid release to the environment.
P231+P232	Handle under inert gas. Protect from moisture
P280	Wear protective gloves/eye protection/face protection
P210	Keep away from all ignition sources including heat, sparks, and flame

P233	Keep container closed and grounded
P302+P335+P334	IF ON SKIN: Brush off loose particles from skin and immerse in cool water
P370+P378	In case of fire: Use CO2, dry chemical, or foam to extinguish
P391	Collect spillage
P402+P404	Store in a dry place. Store in a closed container
P501	Dispose of contents/container to an approved waste disposal plant

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%	Substances or mixtures which, in contact with water, emit flammable gasses 1, Combustible Dust, 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 extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Avoid generation of dust. Fine dust dispersed in air may ignite.

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

Avoid generation of dust. Fine dust dispersed in air may ignite.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid generation of dust. Avoid contact with eyes. Use personal protective equipment as required. Do not breathe dust. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges.

6.2. Environmental precautions

No data available.

6.3. Methods and materials for containment and cleaning up

6.4. Prevent further leakage or spillage if safe to do so. Prevent dust cloud. Take up with inert, damp, non-combustible material using clean non-sparking tools and place into loosely covered plastic containers for later disposal. Pick up and transfer to properly labeled containers.

Reference to other sections

For disposal, see section 13.

7. Handling and Storage

7.1. Precautions for safe handling

7.2. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid generation of dust. Do not breathe dust. Avoid contact with eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. **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 Appearance: Powder
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	Color: Gray; blue
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:	7.14
Water Solubility:	Insoluble
Partition coefficient (n-octanol/water):	Not Determined
Auto-ignition Temperature:	460 °C
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	Excessive heat. Heating in air. Dust formation.
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	Very toxic to aquatic life with long lasting effects.
Persistence and degradability	No data available
Bioaccumulative potential	Inherently biodegradable.
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:II

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.

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