Hardy Diagnostics

Safety Data Sheet

1. Product And Company Identification

1.1. **Product identifiers**

Product Name: **Nitrate Broth - CRITERION™ Dehydrated Culture Media**
Other Common Names: None
Catalog Number: C6450, C6451, C6452, C6453

1.2. **Recommended use**

For differentiating microorganisms based upon nitrate reduction.

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)
Oxidizing Solids (Category 3), H272

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

Pictogram:	
Signal Word:	**Warning**
Hazard Statements:	
H272	May intensify fire; oxidizer.
Precautionary Statements:	
P210	Keep away from heat.
P280	Wear protective clothing.
P370+P378	In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.
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:
Potassium Nitrate (CAS# 7757-79-1)	11%	Oxidizing Solid 3

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**

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

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**

Use water spray to cool unopened containers.

6. Accidental Release Measures

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

Wear protective equipment: chemical resistant gloves. Keep unprotected persons away. Avoid dust formation.

Environmental precautions

No data available.

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

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wetbrushing and place in container for disposal according to local regulations. Keep in suitable, closed containers for disposal.

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

7. Handling and Storage

7.1. **Precautions for safe handling**
Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition. No smoking. Keep away from heat and sources of ignition. Wear appropriate personal protective equipment.
CAUTION: High concentrations of airborne powder may be ignitable.

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.

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:	None for normal use.

9. Physical and Chemical Properties

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

Appearance:	Physical State: Powder Color: Light beige
Odor:	Distinctive
Odor Threshold:	Not Determined
pH:	7.0 +/- 0.2
Melting/Freezing Point:	Not Determined
Boiling Point:	Not Determined
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:	Soluble
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.
Possibility of hazardous reactions	No data available.
Conditions to avoid	No data available.
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	None
Shipping name	None
Identification number	None

Packing group	None

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.