

Hardy Diagnostics

Safety Data Sheet

1. Product And Company Identification

1.1. Product identifiers

Product Name: **Cellulose Agar, Modified – CRITERION™ Dehydrated Culture Media**

Other Common Names: None

Catalog Number: C8730, C8731, C8732, C8733

1.2. Recommended use

For the cultivation of cellulose-utilizing microorganisms from environmental sources.

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 Solid (Category 3), H272

Serious Eye Damage/Eye Irritation (Category 2B), H320

Carcinogenicity (Category 2), H351

2.2. GHS Label elements, including precautionary statements

Pictogram:	
Signal Word:	Warning
Hazard Statements:	
H272	May intensify fire; oxidizer
H320	Causes eye irritation
H351	Suspected of causing cancer.
Precautionary Statements:	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220	Keep away from clothing and other combustible materials
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P308+P313	If exposed or concerned: Get medical attention.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical attention.
P370+P378	In case of fire: Use water to extinguish.
P405	Store locked up.
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**

Combustible dust

3. **Composition/Information on Ingredients**

3.1. **Mixtures**

Hazardous components:

Substance:	Concentration:	Hazard Information:
Sodium Nitrate (CAS#7631-99-4)	5.66%	Serious Eye Damage 2B, Oxidizing Solids 3
Chloramphenicol (CAS# 56-75-7)	0.28%	Carcinogenicity 2, Reproductive Toxicity 2

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**

No data available.

6. Accidental Release Measures

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

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

Environmental precautions

No data available.

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

Wipe up with a damp sponge or mop. Avoid generating airborne dust.

6.3. **Reference to other sections**

For disposal, see section 13.

7. Handling and Storage

7.1. **Precautions for safe handling**

Avoid breathing airborne powder. Handle all powders under a chemical hood or use a NIOSH/MSHA approved respirator. 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: White to off-white
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	Sodium Nitrate: LD50 1267mg/kg (rat)
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	Probably carcinogenic to humans (IARC 2A)
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:	2A
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.

Revision Date: 08/24/2021

HARDY DIAGNOSTICS
1430 West McCoy Lane, Santa Maria, CA 93455, USA
Phone: (805) 346-2766 ext. 5658
Fax: (805) 346-2760
Website: www.HardyDiagnostics.com
Email: TechService@HardyDiagnostics.com

Distribution Centers:
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