

1 Identification of substance:

- **Product name:** *m Enterococcus Agar*
- **Catalog number:** 274610
- **Manufacturer/Supplier:**
BD Diagnostic Systems
7 Loveton Circle
Sparks, MD 21152
Tel: (410) 771-0100 or (800) 638-8663
- **Information department:** Technical Services
- **Emergency information:**
In case of a chemical emergency, spill, fire, exposure, or accident contact BD Diagnostic Systems at (410)771-0100 or (800)638-8663, or ChemTrec at (800)424-9300.

2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

26628-22-8	sodium azide	0.96%
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3 Hazards identification

· **Hazard description:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment**
R 20/22 Harmful by inhalation and if swallowed.
- **Classification system**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0-4)**



Health = 3
Fire = 0
Reactivity = 0

4 First aid measures

- **General information**
Symptoms of poisoning may even occur after several hours; therefore provide medical observation for at least 48 hours after the accident.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for 15 minutes under running water. Then consult a doctor.
- **After swallowing** Immediately call a doctor.

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· **Information for doctor** Show this product label or this MSDS.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
During heating or in case of fire toxic gases may be produced.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Wipe up with damp sponge or mop.
- **Measures for cleaning/collecting:** No special measures required.
- **Additional information:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** < 30 C
- **Information about storage in one common storage facility:**
Do not store together with oxidizing and acidic materials as well as heavy-metal compounds.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.

8 Exposure controls and personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**

26628-22-8 sodium azide

REL	Short-term value: C 0.3** mg/m ³ , C 0.1* ppm *as HN ₃ vapor; **as NaN ₃
TLV	Short-term value: C 0.29** mg/m ³ , C 0.11* ppm *as HN ₃ vapor; **as NaN ₃

· **Additional information:** The lists that were valid during the creation were used as basis.

- **Personal Protective Equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

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· Breathing equipment:

In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.

· Protection of hands:



Chemical resistant gloves (i.e. nitrile, or equivalent).

· Eye protection: *Safety glasses*

· Body protection: *Protective work clothing (lab coat).*

9 Physical and chemical properties:

· General Information

Form:	<i>Solid. Powder</i>
Color:	<i>Light beige</i>
Odor:	<i>Characteristic</i>

· Change in condition

*Melting point/Melting range: Not determined
Boiling point/Boiling range: Not determined*

· Flash point: *Not applicable*

· Auto igniting: *Product is not self igniting.*

· Danger of explosion: *Forms very sensitive explosive metallic compounds.*

· Density: *Not determined*

**· Solubility in / Miscibility with
Water:**

Soluble

· pH-value: *7.2 +/- 0.2*

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· Materials to be avoided:

*Incompatible materials: acidic material and metals
Incompatible material: strong oxidizers.*

· Dangerous products of decomposition:

*Nitrogen oxides (NOx)
Carbon dioxide (CO2)*

· Additional information:

Sodium azide is present in this product. Contact with acidic solutions and metal compounds over time may form potentially explosive metal azides. Should any of this material be introduced into a sanitary sewer system, flush with copious amounts of water.

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11 Toxicological information**· Acute toxicity:****· LD/LC50 values that are relevant for classification:****26628-22-8 sodium azide**

Oral LD50 27 mg/kg (rat)

· Primary irritant effect:**· on the skin:** No irritating effect.**· on the eye:** No irritating effect.**· Sensitization:** No sensitizing effects known.**· Other information (about experimental toxicology):**

This product has a TDLo of 37.4 mg/Kg (Or-human) based on the sodium azide content.

· Subacute to chronic toxicity:

Target organs: cardiovascular system, respiratory system, central nervous system.

· Additional toxicological information:

Harmful

The product shows the following dangers according to internally approved calculation methods for preparations:

12 Ecological information:**· Ecotoxicological effects:****· Other information:**

The ecological effects have not been thoroughly investigated, but currently none have been identified.

· General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.**13 Disposal considerations****· Product:****· Recommendation**

Smaller quantities can be disposed of with solid waste.

This product is not considered a RCRA hazardous waste.

Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements.

· Uncleaned packagings:**· Recommendation:** Disposal must be made according to state and federal regulations.**· Recommended cleansing agent:** Water, if necessary with cleansing agents.**14 Transport information****· DOT regulations:****· Hazard class:** -**· Land transport ADR/RID (cross-border)****· ADR/RID class:** -**· Maritime transport IMDG:****· IMDG Class:** -**· Marine pollutant:** No

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- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

15 Regulations

- **SARA Section 355 (extremely hazardous substances)**

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- **SARA Section 313 (specific toxic chemical listings)**

26628-22-8	sodium azide
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- **TSCA (Toxic Substances Control Act)**

9000-71-9	casein
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9002-18-0	agar
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8013-01-2	yeast extract
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7758-11-4	potassium phosphate, dibasic
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50-99-7	dextrose
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7778-77-0	potassium phosphate, monobasic
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68-04-2	Sodium citrate
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26628-22-8	sodium azide
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298-96-4	TTC
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- **California Proposition 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

- **California Proposition 65 - Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **California Proposition 65 - Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **California Proposition 65 - Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenicity categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

26628-22-8	sodium azide	A4
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- **Product related hazard information:**

The product has been classified and marked in accordance with regulations on hazardous materials.

- **Hazard symbols:**

Xn Harmful

- **Hazard-determining components of labeling:**

sodium azide

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Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 01/11/2006

Reviewed on 07/17/2003

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· Risk phrases:

20/22 Harmful by inhalation and if swallowed.

· Safety phrases:

7 Keep container tightly closed.

22 Do not breathe dust.

24/25 Avoid contact with skin and eyes.

36 Wear suitable protective clothing.

16 Other information:

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· Department issuing MSDS: Safety and Environment Department**· Contact:** Technical Service Representative

USA