

**1 Identification of substance:**

- **Product name:** *GN Broth*
- **Catalog number:** *221729*
- **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:**
- **CAS No. Description:**  
*Not applicable*
- **Chemical characterization**
- **Description:** *Mixture consisting of the following components.*

**· Dangerous components:**

7647-14-5	sodium chloride	12.82%
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**3 Hazards identification****· Hazard description:***Xi Irritant*

- **Information pertaining to particular dangers for man and environment**  
*R 36/37/38 Irritating to eyes, respiratory system and skin.*
- **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 = 1*  
*Fire = 0*  
*Reactivity = 0*

**4 First aid measures**

- **General information** *No special measures required.*
- **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.*

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- **After swallowing** If symptoms persist consult doctor.
- **Information for doctor** Show this product label or this MSDS.

### 5 Fire fighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **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:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** 2 - 8 C
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **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:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal Protective Equipment**
- **General protective and hygienic measures**  
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:**  
In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.

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**· 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**

<b>Form:</b>	Liquid Highly viscous
<b>Color:</b>	Light beige
<b>Odor:</b>	Characteristic

<b>· Change in condition</b>	Undetermined
<b>· Melting point/Melting range:</b>	Not determined
<b>· Boiling point/Boiling range:</b>	Not determined

<b>· Flash point:</b>	Not applicable
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<b>· Danger of explosion:</b>	Product does not present an explosion hazard.
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<b>· Density:</b>	Not determined
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<b>· Solubility in / Miscibility with Water:</b>	Soluble
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**10 Stability and reactivity**

- Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- Dangerous reactions** No dangerous reactions known
- Dangerous products of decomposition:** Chlorine (Cl)

**11 Toxicological information**

- Acute toxicity:**
- Primary irritant effect:**
- on the skin:** Irritant to skin and mucous membranes.
- on the eye:** Irritating effect.
- Sensitization:** No sensitizing effects known.
- Subacute to chronic toxicity:** Target organs: respiratory tract, eyes, kidneys, and skin.
- Additional toxicological information:**  
Irritant

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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:** Not known to be hazardous to water.

### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Smaller quantities can be disposed of with solid waste.  
Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements.  
This product is not considered a RCRA hazardous waste.
- **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
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

### 15 Regulations

- **SARA Section 355 (extremely hazardous substances)**  
None of the ingredients is listed.
- **SARA Section 313 (specific toxic chemical listings)**  
None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act)**

9000-71-9	casein
68-04-2	Sodium citrate
7758-11-4	potassium phosphate, dibasic

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69-65-8	mannitol
7778-77-0	potassium phosphate, monobasic
50-99-7	dextrose
302-95-4	sodium desoxycholate

**· 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)**

None of the ingredients is listed.

**· Product related hazard information:**

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

**· Hazard symbols:**

Xi Irritant

**· Risk phrases:**

36/37/38 Irritating to eyes, respiratory system and skin.

**· Safety phrases:**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36 Wear suitable protective clothing.

**16 Other information:**

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**· Department issuing MSDS:** Safety and Environment Department

**· Contact:** Technical Service Representative