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# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

| Product No.: | Product name:                                                                                  | Common name(s),<br>synonym(s) |
|--------------|------------------------------------------------------------------------------------------------|-------------------------------|
| 221716       | BD BBL™ Trypticase™<br>Soy Broth Soybean-<br>Casein Digest Medium, 5<br>mL of 100 size K tubes | No data available             |

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** Scientific and industrial laboratory use. For In Vitro Diagnostic Use.

**Uses advised against:** None known.

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer

BD, Integrated Diagnostic Solutions  
11, rue Aristide Bergès  
38800 Le Pont de Claix  
France

**Telephone:** 33 476 68 36 36

**Contact Person:** BD Diagnostic Systems Europe - Regulatory Compliance Department

**E-mail:** msds\_europe@bd.com

**1.4 Emergency telephone number:** CHEMTREC 1 800 424 9300

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

Not classified



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**2.2 Label Elements** Not applicable

**2.3 Other hazards**

**Endocrine Disruption-Toxicity**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Endocrine Disruption-Ecotoxicity**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**General information:** No hazardous ingredients.

**SECTION 4: First aid measures**

**General:** Get medical attention if symptoms occur.

**4.1 Description of first aid measures**

**Inhalation:** Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.

**Skin Contact:** Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

**Eye contact:** Flush thoroughly with water. If irritation occurs, get medical assistance.

**Ingestion:** Get medical attention if symptoms occur.

**4.2 Most important symptoms and effects, both acute and delayed:** No data available.



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#### 4.3 Indication of any immediate medical attention and special treatment needed

**Hazards:** No data available.

**Treatment:** No data available.

### SECTION 5: Firefighting measures

**General Fire Hazards:** Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water spray to keep fire-exposed containers cool.

**5.1 Extinguishing media**  
**Suitable extinguishing media:** Water spray, fog, CO<sub>2</sub>, dry chemical, or alcohol resistant foam.

**Unsuitable extinguishing media:** None known.

**5.2 Special hazards arising from the substance or mixture:** None known.

**5.3 Advice for firefighters**  
**Special fire fighting procedures:** No unusual fire or explosion hazards noted.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** No special precautionary health measures should be needed under anticipated conditions of use.

**6.1.1 For non-emergency personnel:** No data available.

**6.1.2 For emergency responders:** No data available.

**6.2 Environmental Precautions:** Avoid release to the environment.



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**6.3 Methods and material for containment and cleaning up:** No specific clean-up procedure noted.

**6.4 Reference to other sections:** No data available.

## SECTION 7: Handling and storage:

**7.1 Precautions for safe handling:** When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.

**7.2 Conditions for safe storage, including any incompatibilities:** Store in a cool, dry place. Keep container tightly closed.

**Storage Temperature:** No data available.

**7.3 Specific end use(s):** Reserved for industrial and professional use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

### Biological Limit Values

No biological exposure limits noted for the ingredient(s).

#### DNEL-Values

Remarks: DNEL-Values

| Critical component | Type               | Route of Exposure | Health Warnings                                      | Remarks                |
|--------------------|--------------------|-------------------|------------------------------------------------------|------------------------|
| Sodium chloride    | Workers            | Dermal            | Systemic, long-term;<br>295.52 mg/kg body weight/day | Repeated dose toxicity |
|                    | General population | Inhalation        | Systemic, long-term;<br>443.28 mg/m3                 | Repeated dose toxicity |
|                    | Workers            | Inhalation        | Systemic, long-term;<br>2068.62 mg/m3                | Repeated dose toxicity |
|                    | Workers            | Inhalation        | Systemic, short-term;<br>2068.62 mg/m3               | Repeated dose toxicity |

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|                                    |                    |            |                                                   |                        |
|------------------------------------|--------------------|------------|---------------------------------------------------|------------------------|
|                                    | General population | Inhalation | Systemic, short-term;<br>443.28 mg/m <sup>3</sup> | Repeated dose toxicity |
| Dipotassium hydrogenorthophosphate | General population | Inhalation | Systemic, long-term;<br>3.04 mg/m <sup>3</sup>    | Repeated dose toxicity |
|                                    | Workers            | Inhalation | Systemic, long-term;<br>4.07 mg/m <sup>3</sup>    | Repeated dose toxicity |

#### PNEC-Values

Remarks: PNEC-Values

| Critical component                 | Environmental compartment | PNEC-Values | Remarks |
|------------------------------------|---------------------------|-------------|---------|
| Sodium chloride                    | Soil                      | 4.86 mg/kg  |         |
|                                    | Aquatic (freshwater)      | 5 mg/l      |         |
|                                    | Sewage treatment plant    | 500 mg/l    |         |
| Dipotassium hydrogenorthophosphate | Aquatic (marine water)    | 0.005 mg/l  |         |
|                                    | Aquatic (freshwater)      | 0.05 mg/l   |         |
|                                    | Sewage treatment plant    | 100 mg/l    |         |
|                                    |                           | 50 mg/l     |         |

#### 8.2 Exposure controls

**Appropriate Engineering Controls:**

No special requirements under ordinary conditions of use and with adequate ventilation.



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#### Individual protection measures, such as personal protective equipment

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| <b>Eye/face protection:</b>      | Wear safety glasses with side shields (or goggles). |
| <b>Hand Protection:</b>          | Material: Chemical resistant gloves                 |
| <b>Skin and Body Protection:</b> | Wear a lab coat or similar protective clothing.     |
| <b>Respiratory Protection:</b>   | Respiratory protection not required.                |
| <b>Hygiene measures:</b>         | Observe good industrial hygiene practices.          |
| <b>Environmental Controls:</b>   | No data available.                                  |

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### Appearance

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Physical state:</b> | liquid                              |
| <b>Form:</b>           | liquid                              |
| <b>Color:</b>          | According to product specification. |

**Odor:** Characteristic

**Odor Threshold:** No data available.

**Freezing point:** No data available.

**Boiling Point:** No data available.

**Flammability:** Not applicable

##### Upper/lower limit on flammability or explosive limits

**Explosive limit - upper:** Not applicable

**Explosive limit - lower:** Not applicable

**Flash Point:** Not applicable

**Self Ignition Temperature:** Not determined.

**Decomposition Temperature:** Not applicable

**pH:** No data available.

##### Viscosity

**Dynamic viscosity:** Not determined.

**Kinematic viscosity:** Not determined.

**Flow Time:** Not applicable

##### Solubility(ies)

**Solubility in Water:** Completely Soluble



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|                                                 |                    |
|-------------------------------------------------|--------------------|
| <b>Solubility (other):</b>                      | No data available. |
| <b>Partition coefficient (n-octanol/water):</b> | No data available. |
| <b>Vapor pressure:</b>                          | No data available. |
| <b>Relative density:</b>                        | No data available. |
| <b>Density:</b>                                 | No data available. |
| <b>Bulk density:</b>                            | Not applicable     |
| <b>Relative vapor density:</b>                  | Not applicable     |
| <b>Particle characteristics</b>                 |                    |
| <b>Particle Size Distribution:</b>              | Not applicable     |
| <b>Specific surface area:</b>                   | Not applicable     |
| <b>Surface charge/Zeta potential:</b>           | Not applicable     |
| <b>Assessment:</b>                              | Not applicable     |
| <b>Shape:</b>                                   | Not applicable     |
| <b>Crystallinity:</b>                           | Not applicable     |
| <b>Surface treatment:</b>                       | Not applicable     |

## 9.2 Other information

|                         |                                                                     |
|-------------------------|---------------------------------------------------------------------|
| <b>Metal Corrosion:</b> | Non-corrosive per US Department of Transportation testing protocol. |
|-------------------------|---------------------------------------------------------------------|

## SECTION 10: Stability and reactivity

|                                                 |                                                         |
|-------------------------------------------------|---------------------------------------------------------|
| <b>10.1 Reactivity:</b>                         | Material is stable under normal conditions.             |
| <b>10.2 Chemical Stability:</b>                 | Material is stable under normal conditions.             |
| <b>10.3 Possibility of hazardous reactions:</b> | Not known.                                              |
| <b>10.4 Conditions to avoid:</b>                | Avoid exposure to high temperatures or direct sunlight. |
| <b>10.5 Incompatible Materials:</b>             | Strong oxidizers.                                       |
| <b>10.6 Hazardous Decomposition Products:</b>   | Not known.                                              |

## SECTION 11: Toxicological information



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#### **Information on likely routes of exposure**

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

#### **11.1 Information on toxicological effects**

##### **Acute toxicity (list all possible routes of exposure)**

###### **Oral**

**Product:** Not classified for acute toxicity based on available data.

###### **Dermal**

**Product:** Not classified for acute toxicity based on available data.

###### **Inhalation**

**Product:** Not classified for acute toxicity based on available data.

##### **Repeated dose toxicity**

**Product:** No data available.

##### **Skin Corrosion/Irritation**

**Product:** No data available.

##### **Serious Eye Damage/Eye Irritation**

**Product:** No data available.

##### **Respiratory or Skin Sensitization**

**Product:** No data available.

##### **Carcinogenicity**

**Product:** No data available.

##### **Germ Cell Mutagenicity**

###### **In vitro**

**Product:** No data available.





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**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.

**11.2 Information on health hazards**

**Other hazards**

**Product:** No data available.

**Endocrine Disruption**

**Product:** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.;

|                                           |
|-------------------------------------------|
| <b>SECTION 12: Ecological information</b> |
|-------------------------------------------|

**12.1 Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Toxicity to microorganisms**

**Product:** No data available.

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#### **Chronic hazards to the aquatic environment:**

##### **Fish**

**Product:** No data available.

##### **Aquatic Invertebrates**

**Product:** No data available.

##### **Toxicity to Aquatic Plants**

**Product:** No data available.

##### **Toxicity to microorganisms**

**Product:** No data available.

#### **12.2 Persistence and Degradability**

##### **Biodegradation**

**Product:** No data available.

##### **BOD/COD Ratio**

**Product:** No data available.

#### **12.3 Bioaccumulative potential**

##### **Bioconcentration Factor (BCF)**

**Product:** No data available.

##### **Partition Coefficient n-octanol / water (log Kow)**

**Product:** Log Kow: No data available.

#### **12.4 Mobility in soil:**

**Product** No data available.

#### **12.5 Results of PBT and vPvB assessment:**

**Product** No data available.

#### **12.6 Endocrine Disruption:**

**Product:** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



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## 12.7 Other adverse effects:

### Other hazards

**Product:** No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**General information:** Dispose of waste and residues in accordance with local authority requirements.

**Disposal methods:** No specific disposal method required.

**Contaminated Packaging:** No data available.

## SECTION 14: Transport information

### ADR

- |                                    |                |
|------------------------------------|----------------|
| 14.1 UN Number:                    | Not regulated. |
| 14.2 UN Proper Shipping Name:      | Not regulated. |
| 14.3 Transport Hazard Class(es)    |                |
| Class:                             | Not regulated. |
| Label(s):                          | Not regulated. |
| Hazard No. (ADR):                  | Not regulated. |
| Tunnel restriction code:           | Not regulated. |
| 14.4 Packing Group:                | Not regulated. |
| 14.5 Environmental Hazards:        | Not regulated. |
| Marine Pollutant:                  | Not regulated. |
| 14.6 Special precautions for user: | Not regulated. |

### ADN

- |                                 |                |
|---------------------------------|----------------|
| 14.1 UN Number:                 | Not regulated. |
| 14.2 UN Proper Shipping Name:   | Not regulated. |
| 14.3 Transport Hazard Class(es) |                |
| Class:                          | Not regulated. |



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|                                    |                |
|------------------------------------|----------------|
| Label(s):                          | Not regulated. |
| Hazard No. (ADR):                  | Not regulated. |
| Tunnel restriction code:           | Not regulated. |
| 14.4 Packing Group:                | Not regulated. |
| 14.5 Environmental Hazards:        | Not regulated. |
| Marine Pollutant:                  | Not regulated. |
| 14.6 Special precautions for user: | Not regulated. |

## **RID**

|                                    |                |
|------------------------------------|----------------|
| 14.1 UN Number:                    | Not regulated. |
| 14.2 UN Proper Shipping Name       | Not regulated. |
| 14.3 Transport Hazard Class(es)    |                |
| Class:                             | Not regulated. |
| Label(s):                          | Not regulated. |
| 14.4 Packing Group:                | Not regulated. |
| 14.5 Environmental Hazards:        | Not regulated. |
| Marine Pollutant:                  | Not regulated. |
| 14.6 Special precautions for user: | Not regulated. |

## **IMDG**

|                                 |                |
|---------------------------------|----------------|
| 14.1 UN Number:                 | Not regulated. |
| 14.2 UN Proper Shipping Name:   | Not regulated. |
| 14.3 Transport Hazard Class(es) |                |
| Class:                          | Not regulated. |
| Label(s):                       | Not regulated. |
| EmS No.:                        | Not regulated. |
| 14.4 Packing Group:             | Not regulated. |
| 14.5 Environmental Hazards:     | Not regulated. |
| Marine Pollutant:               | Not regulated. |



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14.6 Special precautions for user: Not regulated.

#### **IATA**

14.1 UN Number: Not regulated.  
14.2 Proper Shipping Name: Not regulated.  
14.3 Transport Hazard Class(es):  
Class: Not regulated.  
Label(s): Not regulated.  
14.4 Packing Group: Not regulated.  
14.5 Environmental Hazards: Not regulated.  
Marine Pollutant: Not regulated.  
14.6 Special precautions for user: Not regulated.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable

### **SECTION 15: Regulatory information**

#### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

##### **EU Regulations**

**Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances:** none

**Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances:** none

**EU. REACH Annex XIV, Substances Subject to Authorization:** none

**EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended:** none

**EU. Directive 2010/75/EU on Industrial Emissions (IPPC), Annex II, L 334/17:** none

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I,**

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**Part 1 as amended:** none

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended:** none

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended:** none

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended:** none

**EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):** none

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:** none

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:** none

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:** none

**EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:**

Not applicable

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:** none

**Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:** none

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

**International regulations**

**Montreal protocol**  
Not applicable

**Stockholm convention**  
Not applicable

**Rotterdam convention**



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Not applicable

**Kyoto protocol**  
Not applicable

## SECTION 16: Other information

**Revision Information:** No data available. .

**Abbreviations and acronyms:**  
No data available.

**Key literature references and  
sources for data:** No data available.

**Wording of the H-statements in section 2 and 3:** none

**Training information:** No data available.

**SDS No.:** UN000000000000221716-E-01

**Disclaimer:** Disclaimer:  
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