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Becton, Dickinson and Company BD, Franklin Lakes, NJ 07417 USA www.bd.com

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

Product No.:	Product name:	Common name(s), synonym(s)	
221716	BD BBL [™] Trypticase [™] Soy Broth Soybean- Casein Digest Medium, 5 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 SolutionsTelephone: 33 476 68 36 3611, rue Aristide Bergès38800 Le Pont de ClaixFranceFrance

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



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 measure	S
General:	Get medical attention if symptoms occur.
4.1 Description of first aid meas Inhalation:	ures 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.



4.3 Indication of any immediate medical attention and special treatment needed			
Hazards:	No data available.		
Treatment:	No data available.		
SECTION 5: Firefighting meas	ures		
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, CO2, 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	e 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.		



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containment and cleaning up:	No specific clean-up procedure noted.
6.4 Reference to other sections:	No data available.
SECTION 7: Handling and sto	orage:
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	Туре	Route of Exposure	Health Warnings	Remarks
Sodium chloride	Workers	Dermal	Systemic, long-term; 295.52 mg/kg body weight/day	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 443.28 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 2068.62 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Systemic, short-term; 2068.62 mg/m3	Repeated dose toxicity



General population	n Inhalation	Systemic, short-term; 443.28 mg/m3	Repeated dose toxicity
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Dipotassium hydrogenorthophosph ate	General population	Inhalation	Systemic, long-term; 3.04 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 4.07 mg/m3	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 hydrogenorthophosph ate	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.



Individual protection measures, such as personal protective equipment

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties Appearance Physical state: liquid Form: liquid Color: 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 Not applicable **Temperature:** pH: No data available. Viscosity **Dynamic viscosity:** Not determined. Kinematic viscosity: Not determined. Flow Time: Not applicable Solubility(ies) Solubility in Water: **Completely Soluble**



Solubility (other):	No data available.
Partition coefficient (n- octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	No data available.
Bulk density:	Not applicable
Relative vapor density: Particle characteristics	Not applicable
Particle Size Distribution:	Not applicable
Specific surface area:	Not applicable
Surface charge/Zeta potential:	Not applicable
Assessment:	Not applicable
Shape:	Not applicable
Crystallinity:	Not applicable
Surface treatment:	Not applicable
9.2 Other information	
Metal Corrosion:	Non-corrosive per US Department of Transportation testing protocol.

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information



Information on likely routes of ex Inhalation:	posure 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 Irritat Product:	t ion No data available.
Respiratory or Skin Sensitization Product:	on No data available.
Carcinogenicity Product:	No data available.
Germ Cell Mutagenicity	
In vitro Product:	No data available.



In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity Product:	- Single Exposure No data available.
Specific Target Organ Toxicity Product:	- Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
11.2 Information on health hazard	ls
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.;

SECTION 12: Ecological information

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.



Chronic hazards to the ac	quatic environment:
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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 Degradabili	ty	
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 Product:	/ water (log Kow) 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.	



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

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

RID

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

ΙΑΤΑ

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,



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** No Chemical Safety Assessment has been carried out.
 - assessment:

International regulations

Montreal protocol Not applicable

Stockholm convention Not applicable

Rotterdam convention



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.:	UN000000000221716-E-01
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