

**Becton, Dickinson and Company**  
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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), synonym(s)
268820	BD Difco™ OF Basal Medium	No data available

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

**Identified uses:** Laboratory Chemicals

**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

### 2.2 Label Elements

Not applicable

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### 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.

### 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

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**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.

**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.

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

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/m <sup>3</sup>	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 2068.62 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Inhalation	Systemic, short-term; 2068.62 mg/m <sup>3</sup>	Repeated dose toxicity
	General population	Inhalation	Systemic, short-term; 443.28 mg/m <sup>3</sup>	Repeated dose toxicity

Potassium dihydrogenorthophosphate	General population	Inhalation	Systemic, long-term; 3.04 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 4.07 mg/m <sup>3</sup>	Repeated dose toxicity

#### PNEC-Values

Remarks: PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
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Dipotassium hydrogenorthophosphate	Aquatic (marine water)	0.005 mg/l	
	Aquatic (freshwater)	0.05 mg/l	
	Sewage treatment plant	100 mg/l	
		50 mg/l	

Sodium chloride	Soil	4.86 mg/kg	
	Aquatic (freshwater)	5 mg/l	
	Sewage treatment plant	500 mg/l	

Potassium dihydrogenorthophosphate	Aquatic (marine water)	0.005 mg/l	
	Sewage treatment plant	50 mg/l	
	Aquatic (freshwater)	0.05 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.

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**Environmental Controls:** No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state:** solid  
**Form:** solid  
**Color:** According to product specification.

**Odor:** Characteristic  
**Odor Threshold:** No data available.

**Melting 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

**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

**Vapor density (air=1):** Not applicable

#### Particle characteristics

**Particle Size:** Not applicable

**Particle Size Distribution:** Not applicable

**Specific surface area:** Not applicable

**Surface charge/Zeta potential:** Not applicable

**Assessment:** Not applicable

**Shape:** Not applicable

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**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 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.

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**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.

**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.;

**SECTION 12: Ecological information****12.1 Ecotoxicity:****Acute hazards to the aquatic environment:****Fish**

**Product:** No data available.



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#### **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 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:**

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**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

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.  
Limited quantity: Not regulated.  
Excepted quantity: Not regulated.  
14.5 Environmental Hazards: 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.  
Label(s): Not regulated.  
Hazard No. (ADR): Not regulated.  
Tunnel restriction code: Not regulated.  
14.4 Packing Group: Not regulated.  
Limited quantity: Not regulated.  
Excepted quantity: Not regulated.

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14.5 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.  
Hazard No. (ADR): Not regulated.  
Tunnel restriction code: Not regulated.  
14.4 Packing Group: Not regulated.  
Limited quantity Not regulated.  
Excepted quantity Not regulated.  
14.5 Environmental Hazards 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.  
Hazard No. (ADR): Not regulated.  
Tunnel restriction code: Not regulated.  
14.4 Packing Group: Not regulated.  
Limited quantity Not regulated.  
Excepted quantity Not regulated.  
14.5 Environmental Hazards Not regulated.  
14.6 Special precautions for user: Not regulated.

#### IATA

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.  
Limited quantity Not regulated.  
Excepted quantity Not regulated.  
14.5 Environmental Hazards 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:**

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## 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 assessment:**

No Chemical Safety Assessment has been carried out.

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## 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.:** UN000000000000268820-E-01

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