

# SAFETY DATA SHEET

1. Identification			
Product identifier			
Product No.:	Product name:	Common name(s), synonym(s)	
241830	Brain Heart Infusion Agar	No data available	
Other means of ider	ntification		

SDS number: 088100178588

# Recommended use and restriction on use

Recommended use: Laboratory Chemicals Restrictions on use: None known.

# Manufacturer/Importer/Supplier/Distributor Information

## Manufacturer

Company Name:	BD Diagnostic Systems
Address:	7 Loveton Circle
	Sparks, MD 21152 USA
Telephone:	1 410 771 0100 or 1 800 638 8663
Fax:	
Contact Person:	Tech Services

## Emergency telephone number: CHEMTREC 1 800 424 9300

# 2. Hazard(s) identification

Hazard Classification	Not classified
Label Elements	
Hazard Symbol:	No symbol
Signal Word:	No signal word.
Hazard Statement: Precautionary	Not applicable Not applicable



## Statements

Other hazards which do None. not result in GHS classification:

# 3. Composition/information on ingredients

## **Mixtures**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
sodium phosphate tribasic	No data available.	7601-54-9	1.1789%
Propanoic acid, 2-oxo-, sodium salt (1:1)	No data available.	113-24-6	0.4683%
Sulfurous acid, sodium salt (1:1)	No data available.	7631-90-5	0.0937%
Sulfuric acid copper(2+) salt (1:1)	No data available.	7758-98-7	0.0009%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# 4. First-aid measures

General information:	Get medical attention if symptoms occur.
Ingestion:	Get medical attention if symptoms occur.
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.

# Most important symptoms/effects, acute and delayed

Symptoms:	No data available.
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# Indication of immediate medical attention and special treatment needed

Treatment:	No data available.		
5. Fire-fighting measures			
General Fire Hazards:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water spray to keep fire-exposed containers cool.		
Suitable (and unsuitable) e	xtinguishing media		
Suitable extinguishing media:	Water spray, fog, CO2, dry chemical, or alcohol resistant foam.		
Unsuitable extinguishing media:	None known.		
Specific hazards arising from the chemical:	None known.		
Special protective equipme	nt and precautions 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.		
6. Accidental release mea	sures		
Personal precautions,	No special precautionary health measures should be needed		



Methods and material for containment and cleaning up:	No specific clean-up procedure noted.
Environmental Precautions:	Avoid release to the environment.
7. Handling and storage	

# Handling

Technical measures (e.g. Local and general ventilation):	No special requirements under ordinary conditions of use and with adequate ventilation.
Safe handling advice:	When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.
Contact avoidance measures:	No data available.
Hygiene measures:	Observe good industrial hygiene practices.
Storage	
Safe storage conditions:	Store in a cool, dry place. Keep container tightly closed.
Safe packaging materials:	No data available.
Storage Temperature:	No data available.

# 8. Exposure controls/personal protection

# **Control Parameters**

# **Occupational Exposure Limits**

Chemical Identity	Туре	Exposure Limit Values	Source
Sulfurous acid, sodium salt (1:1)	TWA	5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)



TWA	5 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended
		(06 2008)
AN ESL	5 µg/m3	US. Texas. Effects Screening Levels
		(Texas Commission on Environmental
	F0	Quality), as amended (07 2011) US. Texas. Effects Screening Levels
ST ESL	50 µg/113	(Texas Commission on Environmental
		Quality), as amended (07 2011)
TWA PEL	5 mg/m3	US. California Code of Regulations, Title
		8, Section 5155. Airborne Contaminants,
		as amended (08 2010)
TWA	5 mg/m3	US. ACGIH Threshold Limit Values, as
	E ma/m2	amended (12 2010) US. NIOSH: Pocket Guide to Chemical
REL	5 119/113	Hazards, as amended (2005)
AN ESI	1 µa/m3	US. Texas. Effects Screening Levels
/ 202		(Texas Commission on Environmental
		Quality), as amended (12 2010)
ST ESL	10 µg/m3	US. Texas. Effects Screening Levels
		(Texas Commission on Environmental
	1 m a / m 2	Quality), as amended (12 2010)
I WA PEL	1 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants,
		as amended (08 2010)
τ	1 mg/m3	US. ACGIH Threshold Limit Values, as
1004		amended (03 2014)
TWA	0.2 mg/m3	US. ACGIH Threshold Limit Values, as
		amended (03 2014)
REL	1 mg/m3	US. NIOSH: Pocket Guide to Chemical
		Hazards, as amended (2005)
REI	0.1 mg/m3	US. NIOSH: Pocket Guide to Chemical
	0.1 mg/m3	Hazards, as amended (2016)
	AN ESL ST ESL TWA PEL TWA REL AN ESL ST ESL TWA PEL TWA	TWASAN ESL5 µg/m3ST ESL50 µg/m3TWA PEL5 mg/m3TWA5 mg/m3REL5 mg/m3AN ESL1 µg/m3ST ESL10 µg/m3TWA PEL1 mg/m3TWA0.2 mg/m3REL1 mg/m3REL1 mg/m3

Appropriate Engineering<br/>ControlsNo special requirements under ordinary conditions of use and with<br/>adequate ventilation.

## Individual protection measures, such as personal protective equipment

General information:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
Eye/face protection:	Wear safety glasses with side shields (or goggles).



Skin Protection Hand Protection:	Chemical resistant gloves	
Other:	Wear a lab coat or similar protective clothing.	
Respiratory Protection:	Respiratory protection not required.	
Hygiene measures:	Observe good industrial hygiene practices.	

# 9. Physical and chemical properties

## Appearance

Physical state:	solid	
Form:	solid	
Color:	According to product specification.	
Odor:	Characteristic	
Odor threshold:	No data available.	
pH:	No data available.	
Melting point/freezing point:	No data available.	
Initial boiling point and boiling	No data available.	
range:		
Flash Point:	Not applicable	
Evaporation rate:	No data available.	
Flammability (solid, gas):	No data available.	
Upper/lower limit on flammability or explosive limits		
Flammability limit - upper (%):	No data available.	
Flammability limit - lower (%):	No data available.	
Explosive limit - upper:	No data available.	
Explosive limit - lower:	No data available.	
Vapor pressure:	No data available.	
Vapor density:	No data available.	
Relative density:	No data available.	
Solubility(ies)		
Solubility in water:	Completely Soluble	
Solubility (other):	No data available.	



Partition coefficient (n- octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	Not determined.

# 10. Stability and reactivity

Reactivity:	Stable under normal temperature conditions and recommended use.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Not known.
Conditions to avoid:	Avoid exposure to high temperatures or direct sunlight.
Incompatible Materials:	Strong oxidizers.
Hazardous Decomposition Products:	Not known.

11. Toxicological information		
General information:	No data on possible toxicity effects have been found.	
Information on likely rout Ingestion:	tes of exposure No harmful effects expected in amounts likely to be ingested by accident.	
Inhalation:	Limited inhalation hazard at normal work temperatures.	
Skin Contact:	Negligible irritation to skin at ambient temperatures.	
Eye contact:	Do not get in eyes.	
Symptoms related to the Ingestion:	physical, chemical and toxicological characteristics No specific symptoms noted.	



Inhalation:	No specific symptoms noted.	
Skin Contact:	No specific symptoms noted.	
Eye contact:	No specific symptoms noted.	

# Information on toxicological effects

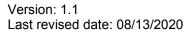
# Acute toxicity (list all possible routes of exposure)

Oral Product:	ATEmix: 12,235.56 mg/kg	
Dermal Product:	ATEmix: 20,549.42 mg/kg	
Inhalation Product:	No data available.	

Repeated dose toxicity	
Product:	No data available.

#### **Specified substance(s):**

Specified Substance(S)	/•
sodium phosphate tribasic	NOAEL (Dog(female), Oral, 26 Weeks): 323 mg/kg Oral Read- across from supporting substance (structural analogue or surrogate), Supporting study NOAEL (Rat(Male), Oral, 28 d): 2,470 mg/kg Oral Read-across from supporting substance (structural analogue or surrogate), Supporting study
Sulfurous acid, sodium salt (1:1)	NOAEL (Rat, Oral, 1 - 2 yr): 0.05 %(m) Oral Experimental result, Supporting study NOAEL (Rat(female), Oral, 8 Weeks): 70 mg/kg Oral Read-across from supporting substance (structural analogue or surrogate), Supporting study NOAEL (Rat(Female, Male), Oral, 10 - 730 d): 108 mg/kg Oral Read-across from supporting substance (structural analogue or surrogate), Supporting study NOAEL (Rat(Female, Male), Oral, 21 - 104 Weeks): 108 mg/kg
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	Oral Read-across from supporting substance (structural analogue or surrogate), Key study NOAEL (Pig(Female, Male), Oral, 48 Weeks): 0.35 %(m) Oral Read-across from supporting substance (structural analogue or surrogate), Supporting study
Sulfuric acid copper(2+) salt (1:1)	NOAEL (Rat(Female, Male), Oral, 92 d): 1,000 ppm(m) Oral Experimental result, Key study LOAEL (Rat(Female, Male), Oral, 92 d): 2,000 ppm(m) Oral Experimental result, Key study LOAEL (Rat(Female, Male), Inhalation): 0.2 mg/m3 Inhalation Experimental result, Key study LOAEL (Mouse(Female, Male), Oral, 92 d): 2,000 ppm(m) Oral Experimental result, Key study NOAEL (Mouse(Female, Male), Oral, 92 d): 1,000 ppm(m) Oral Experimental result, Key study
Skin Corrosion/Irritation Product:	No data available.
<b>Specified substance(s)</b> sodium phosphate tribasic	: in vivo (Rabbit): Not irritant Read-across from supporting substance (structural analogue or surrogate), Supporting study
Sulfurous acid, sodium salt (1:1)	in vivo (Rabbit): Not irritant Read-across from supporting substance (structural analogue or surrogate), Key study
Sulfuric acid copper(2+) salt (1:1)	in vivo (Rabbit): Not irritant Experimental result, Key study

# Serious Eye Damage/Eye Irritation Product: No data

No data available.

## **Specified substance(s):**

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sodium phosphate in vivo (Rabbit, 24 - 72 hrs): Category 1 EU
tribasic
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Respiratory or Skin Sensitiz Product:	z <b>ation</b> No data available.
Carcinogenicity Product:	No data available.
	valuation of Carcinogenic Risks to Humans: mponents identified
	gram (NTP) Report on Carcinogens: mponents identified
	lated Substances (29 CFR 1910.1001-1050), as amended: mponents identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxic Product:	<b>ity - Single Exposure</b> No data available.
Specific Target Organ Toxic Product:	ity - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	None known.
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# 12. Ecological information

## **Ecotoxicity:**

## Acute hazards to the aquatic environment:

Fish Product: No negative effects on the aquatic environment are known. **Aquatic Invertebrates Product:** 

# No negative effects on the aquatic environment are known.

#### Chronic hazards to the aquatic environment:

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**Product:** No negative effects on the aquatic environment are known.

## **Aquatic Invertebrates**

**Product:** No negative effects on the aquatic environment are known.

# **Toxicity to Aquatic Plants**

**Product:** No negative effects on the aquatic environment are known.

## Persistence and Degradability

Biodegradation Product:	Expected to be readily biodegradable.
BOD/COD Ratio Product:	No data available.

# **Bioaccumulative potential Bioconcentration Factor (BCF)**

**Product:** No data available.

# Specified substance(s):

Eisenia andrei, Bioconcentration Factor (BCF): 0.3 - 1 Terrestrial Sulfuric acid copper(2+) salt (1:1) Experimental result, Weight of Evidence study

Partition Coefficient n-octanol / water (log Kow) SDS US



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# Mobility in soil: No data available.

Known or predicted distribution to environmental compartmentssodium phosphateNo data available.tribasicPropanoic acid, 2-oxo-,No data available.sodium salt (1:1)Sulfurous acid, sodiumNo data available.salt (1:1)No data available.salt (1:1)Sulfuric acid copper(2+)No data available.salt (1:1)Sulfuric acid copper(2+)

**Other adverse effects:** The product is not expected to be hazardous to the environment.

## 13. Disposal considerations

General information:	Dispose of waste and residues in accordance with local authority requirements.
Disposal instructions:	No specific disposal method required.
Contaminated Packaging:	No data available.

## 14. Transport information

<b>DOT</b> UN Number: UN Proper Shipping Name: Transport Hazard Class(es)	Not regulated. Not regulated.
Class: Label(s):	Not regulated. Not regulated.
Packing Group:	Not regulated.
Marine Pollutant: Limited quantity	Not regulated. Not regulated.
Excepted quantity	Not regulated.
Special precautions for user:	Not regulated.



## IMDG

UN Number: UN Proper Shipping Name:	Not regulated. Not regulated.
Transport Hazard Class(es) Class:	-
Subsidiary risk:	Not regulated. Not regulated.
EmS No.:	Not regulated.
Packing Group: Environmental Hazards	Not regulated.
Marine Pollutant:	Not regulated.
Special precautions for user:	Not regulated.
ΙΑΤΑ	
UN Number:	Not regulated.
Proper Shipping Name: Transport Hazard Class(es):	Not regulated.
Class:	Not regulated.
Subsidiary risk:	Not regulated.
Packing Group: Environmental Hazards	Not regulated.
Marine pollutant:	Not regulated.
Special precautions for user:	Not regulated.

# 15. Regulatory information

## **US Federal Regulations**

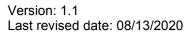
# TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

# US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

## US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended None present or none present in regulated quantities.





## CERCLA Hazardous Substance List (40 CFR 302.4):

#### <u>Chemical Identity</u> SODIUM PHOSPHATE, DIBASIC

SODIUM PHOSPHATE, DIBASIC SODIUM PHOSPHATE, TRIBASIC SODIUM BISULFITE CUPRIC SULFATE

# Superfund Amendments and Reauthorization Act of 1986 (SARA)

# Hazard categories

Not classified

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

None present or none present in regulated quantities.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

# Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

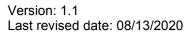
## **Chemical Identity**

Phosphoric acid, sodium salt (1:2) sodium phosphate tribasic Sulfurous acid, sodium salt (1:1) Sulfuric acid copper(2+) salt (1:1)

# **US State Regulations**

# **US.** California Proposition 65

No ingredient requiring a warning under CA Prop 65.





## US. New Jersey Worker and Community Right-to-Know Act

## **Chemical Identity**

Phosphoric acid, sodium salt (1:2) sodium phosphate tribasic

## **US. Massachusetts RTK - Substance List**

#### **Chemical Identity**

Phosphoric acid, sodium salt (1:2) sodium phosphate tribasic

## US. Pennsylvania RTK - Hazardous Substances

#### **Chemical Identity**

Phosphoric acid, sodium salt (1:2) sodium phosphate tribasic

#### **US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

# 16.Other information, including date of preparation or last revision

Issue Date:	08/13/2020
Version #:	1.1
<b>Revision Information:</b>	No data available.
Further Information:	No data available.



**Disclaimer:** 

#### Disclaimer:

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