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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)
241830	Brain Heart Infusion Agar	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 Diagnostic Systems Europe
11, rue Aristide Bergès
Le Pont de Claix 38800
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

Supplemental information

EUH208: Contains (Propanoic acid, 2-oxo-, sodium salt (1:1)). May produce an allergic reaction.
EUH210: Safety data sheet available on request.

2.3 Other hazards No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Trisodium orthophosphate	1 - <5%	7601-54-9	231-509-8	No data available.	No data available.	
Sodium pyruvate	0.1 - <1%	113-24-6	204-024-4	01-212076704 7-50-0003 01-212076704 7-50-0004	No data available.	

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

This substance has workplace exposure limit(s).

Classification

Chemical name	CLP Classification	Notes
Trisodium orthophosphate	No data available.	
Sodium pyruvate	Eye Irrit.: 2; H319Skin Sens.: 1B; H317	

Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

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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.

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

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

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 Suitable extinguishing media: Water spray, fog, CO₂, dry chemical, or alcohol resistant foam.

Unsuitable extinguishing media: None known.

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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 firefighters: 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.

6.2 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.

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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

None.

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

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.

Environmental Controls:

No data available.

SECTION 9: Physical and chemical properties

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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.
pH:	No data available.
Melting Point:	No data available.
Boiling Point:	No data available.
Flash Point:	Not applicable
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	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.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
SADT:	No data available.
Viscosity:	Not determined.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

9.2 Other information

Molecular weight:	No data available.
VOC Content:	No data available.
Bulk density:	No data available.
Dust Explosion Limit, Upper:	No data available.
Dust Explosion Limit, Lower:	No data available.

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Dust Explosion Description	No data available.
Number Kst:	
Minimum ignition energy:	No data available.
Minimum ignition temperature:	No data available.
Metal Corrosion:	No data available.

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

General information:	No data on possible toxicity effects have been found.
Information on likely routes of exposure	
Inhalation:	Limited inhalation hazard at normal work temperatures.
Ingestion:	No harmful effects expected in amounts likely to be ingested by accident.
Skin Contact:	Negligible irritation to skin at ambient temperatures.
Eye contact:	Do not get in eyes.

11.1 Information on toxicological effects

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Acute toxicity

Oral

Product: ATEmix: 42,412.42 mg/kg

Specified substance(s)

Trisodium orthophosphate	LD 50 (Rat): > 500 mg/kg Read-across from supporting substance (structural analogue or surrogate), Supporting studyLD 50 (Rat): > 2,000 mg/kg Experimental result, Key studyLD 50 (Rat): > 2,000 mg/kg Read-across from supporting substance (structural analogue or surrogate), Supporting study
Sodium pyruvate	No data available.

Dermal

Product: ATEmix: 25,447.45 mg/kg

Specified substance(s)

Trisodium orthophosphate	LD 50 (Rat): > 2,000 mg/kg Read-across from supporting substance (structural analogue or surrogate), Key studyLD 50 (Rabbit): > 300 mg/kg Read-across from supporting substance (structural analogue or surrogate), Supporting study
Sodium pyruvate	No data available.

Inhalation

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

Specified substance(s)

Trisodium orthophosphate	LC 50 (Rat, 4 h) > 0.83 mg/l Dust, Read-across from supporting substance (structural analogue or surrogate), Key study
Sodium pyruvate	No data available.

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Trisodium orthophosphate	NOAEL (Dog(female), Oral, 26 Weeks): 323 mg/kg NOAEL (Rat(Male), Oral, 28 d): 2,470 mg/kg
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Sodium pyruvate No data available.

Skin

Corrosion/Irritation:

Product: No data available.

Specified substance(s)

Trisodium orthophosphate	in vivo (Rabbit): Not irritant Read-across from supporting substance (structural analogue or surrogate), Supporting study
Sodium pyruvate	No data available.

Serious Eye Damage/Eye

Irritation:

Product: No data available.

Specified substance(s)

Trisodium orthophosphate	in vivo (Rabbit, 24 - 72 hrs): Category 1 EU
Sodium pyruvate	No data available.

Respiratory or Skin Sensitization:

Product: No data available.

Specified substance(s)

Trisodium orthophosphate	No data available.
Sodium pyruvate	No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Trisodium orthophosphate	No data available.
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Sodium pyruvate No data available.

In vivo

Product: No data available.

Specified substance(s)

Trisodium No data available.

orthophosphate

Sodium pyruvate No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

Trisodium No data available.

orthophosphate

Sodium pyruvate No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Trisodium No data available.

orthophosphate

Sodium pyruvate No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Trisodium No data available.

orthophosphate

Sodium pyruvate No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Trisodium No data available.

orthophosphate

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Sodium pyruvate No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

Trisodium orthophosphate No data available.

Sodium pyruvate No data available.

Other adverse effects: None known.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

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

Specified substance(s)

Trisodium orthophosphate LC 50 (Oryzias latipes, 48 h): > 1,000 µg/l (Static) Read-across from supporting substance (structural analogue or surrogate), Supporting study

LC 50 (Oncorhynchus mykiss, 96 h): > 100 mg/l (semi-static) Read-across from supporting substance (structural analogue or surrogate), Key study

NOAEL (Oncorhynchus mykiss, 96 h): 100 mg/l (semi-static) Read-across from supporting substance (structural analogue or surrogate), Key study

LC 50 (Oryzias latipes, 24 h): > 1,000 µg/l (Static) Read-across from supporting substance (structural analogue or surrogate), Supporting study

Sodium pyruvate No data available.

Aquatic Invertebrates

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

Specified substance(s)

Trisodium orthophosphate	LC 50 (<i>Dreissena polymorpha</i> , 24 h): 92 mg/l (Static) Read-across from supporting substance (structural analogue or surrogate), Supporting study NOAEL (<i>Daphnia magna</i> , 48 h): > 100 mg/l (Static) Read-across from supporting substance (structural analogue or surrogate), Key study EC 50 (<i>Daphnia magna</i> , 48 h): > 100 mg/l (Static) Read-across from supporting substance (structural analogue or surrogate), Key study
Sodium pyruvate	No data available.

Chronic Toxicity

Fish

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

Specified substance(s)

Trisodium orthophosphate	No data available.
Sodium pyruvate	No data available.

Aquatic Invertebrates

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

Specified substance(s)

Trisodium orthophosphate	No data available.
Sodium pyruvate	No data available.

Toxicity to Aquatic Plants

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

Specified substance(s)

Trisodium orthophosphate	No data available.
Sodium pyruvate	No data available.

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12.2 Persistence and Degradability

Biodegradation

Product: Expected to be readily biodegradable.

Specified substance(s)

Trisodium orthophosphate No data available.

Sodium pyruvate No data available.

BOD/COD Ratio

Product No data available.

Specified substance(s)

Trisodium orthophosphate No data available.

Sodium pyruvate No data available.

12.3 Bioaccumulative potential

Product: No data available.

Specified substance(s)

Trisodium orthophosphate No data available.

Sodium pyruvate No data available.

12.4 Mobility in soil:

Product: No data available.

Specified substance(s)

Trisodium orthophosphate No data available.

Sodium pyruvate No data available.

12.5 Results of PBT and vPvB assessment:

Product: No data available.

Specified substance(s)

Trisodium orthophosphate No data available.

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Sodium pyruvate No data available.

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

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.

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:
 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.
 Label(s): Not regulated.
 Hazard No. (ADR): Not regulated.
 Tunnel restriction code: Not regulated.
14.4 Packing Group: Not regulated.

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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.

14.6 Special precautions for user: Not regulated.

IATA

14.1 UN Number: Not regulated.

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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 (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: none

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

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: 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

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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

Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances:

Chemical name	CAS-No.	Concentration
copper sulphate	7758-98-7	0 - <0.1%

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:

Chemical name	CAS-No.	Concentration
copper sulphate	7758-98-7	0 - <0.1%
calcium chloride	10043-52-4	0 - <0.1%
sodium hydrogensulphite ... %; sodium bisulphite . . . %	7631-90-5	0 - <0.1%

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information: No data available.

References

PBT PBT: persistent, bioaccumulative and toxic substance.
vPvB vPvB: very persistent and very bioaccumulative substance.

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

Wording of the H-statements in section 2 and 3

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

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Training information:

No data available.

Issue Date:

13.08.2020

SDS No.:

UN0000000000000241830-E-01

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