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SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
366420	TUBE P800 PLH 13X75 2.0 PLBL CLR	BD P800 Blood Collection System for Plasma Metabolic Biomarker Preservation K2EDTA

Recommended restrictions

Recommended use: Scientific and industrial laboratory use. For research use only.
Restrictions on use: For External Use Only

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name: BD, Integrated Diagnostic Solutions
Address: 1 Becton Drive
Franklin Lakes, NJ 07417
USA

Telephone: 1 800 631 0174
Fax: 1 201 847 4866
Contact Person: Technical Services
E-mail: productcomplaints@bd.com

Emergency telephone number: CHEMTREC 1 800 424 9300

2. Hazard(s) identification

Hazard Classification

Health Hazards

Acute toxicity (Oral)	Category 4
Acute toxicity (Inhalation - dust and mist)	Category 4
Carcinogenicity	Category 2

Label Elements

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Hazard Symbol:



Signal Word: Warning

Hazard Statement: H302+H332: Harmful if swallowed or if inhaled.
H351: Suspected of causing cancer.

Precautionary Statements

Prevention: P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P264: Wash face, hands and any exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330: Rinse mouth.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTER or doctor/ physician if you feel unwell.
P308+P313: IF exposed or concerned: Get medical advice/attention.

Storage: P405: Store locked up.

Disposal: P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.



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

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) [*]
Dipotassium EDTA Dihydrate	No data available.	25102-12-9	86.12%
Tacrine	No data available.	206658-92-6	9.16%

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

4. First-aid measures

Description of necessary first-aid measures

General information:	Get medical attention if symptoms occur.
Inhalation:	Move to fresh air. Get medical attention. Due to the small packaging the risk of inhalation is minimal.
Skin Contact:	Wash the skin immediately with soap and water. Get medical attention if symptoms occur. Due to the small packaging the risk of skin contact is minimal.
Eye contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. Due to the small packaging the risk of eye contact is minimal.
Ingestion:	If swallowed, rinse mouth with water (only if the person is conscious). Get medical attention. Due to the small packaging the risk of ingestion is minimal.
Personal Protection for First-aid Responders:	No data available.

Most important symptoms and effects, both acute and delayed



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Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media: None known.

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

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No unusual fire or explosion hazards noted.

Special protective equipment for fire-fighters: Use fire-extinguishing media appropriate for surrounding materials. No specific precautions due to the small quantities handled.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Accidental release measures: Methods and material for containment and cleaning up: No data available.
Sweep or scoop up and remove.

Environmental Precautions: Avoid release to the environment.

7. Handling and storage

Handling

Technical measures (e.g. Local Low hazard for recommended handling by trained



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- and general ventilation):** personnel. Observe good industrial hygiene practices.
- Safe handling advice:** Observe good laboratory hygiene practices. Wear appropriate personal protective equipment. Low hazard for recommended handling by trained personnel.
- Contact avoidance measures:** No data available.
- Storage**
- Safe storage conditions:** Keep container closed. Store in a cool, dry place out of direct sunlight. Keep the container in a safe place.
- Safe packaging materials:** No data available.

8. Exposure controls/personal protection

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).

Appropriate Engineering Controls Low hazard for recommended handling by trained personnel. Observe good industrial hygiene practices.

Individual protection measures, such as personal protective equipment

Eye/face protection: Use eye protection.

Skin Protection

Hand Protection: Additional Information: Use suitable protective gloves if risk of skin contact.

Skin and Body Protection: It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing as protection against splashing or contamination.

Respiratory Protection: Not relevant, due to the form of the product. Avoid breathing dust.

Hygiene measures: Observe good industrial hygiene practices.



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9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state:	Solid
Form:	Powder
Color:	White
Odor:	Characteristic
Odor Threshold:	No data available.
Melting Point:	The physical-chemical properties of this material have not been fully investigated.
Boiling Point:	The physical-chemical properties of this material have not been fully investigated.
Flammability:	No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Flash Point:	Not applicable
Self Ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
pH:	No data available.

Viscosity

Dynamic viscosity:	Not determined.
Kinematic viscosity:	Not determined.
Flow Time:	No data available.

Solubility(ies)

Solubility in Water:	Soluble
Solubility (other):	Not applicable
Partition coefficient (n-octanol/water):	No data available.

Vapor pressure: The physical-chemical properties of this material have not been fully investigated.

Relative density: The physical-chemical properties of this material have not been fully investigated.

Density: The physical-chemical properties of this material have not been fully investigated.

Bulk density: No data available.

Vapor density (air=1): No data available.



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Particle characteristics

Particle Size:	No data available.
Particle Size Distribution:	No data available.
Specific surface area:	No data available.
Surface charge/Zeta potential:	No data available.
Shape:	No data available.
Crystallinity:	No data available.
Surface treatment:	No data available.

Other information

Metal Corrosion:	The physical-chemical properties of this material have not been fully investigated.
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10. Stability and reactivity

Reactivity:	Material is stable under normal conditions.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Material is stable under normal conditions.
Conditions to avoid:	None under normal conditions.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Not likely, due to the form of the product.

11. Toxicological information

Information on toxicological effects

Inhalation:	Harmful if inhaled. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin Contact:	No data available.



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Eye contact: No data available.

Ingestion: Harmful if swallowed. Due to the small packaging the risk of ingestion is minimal.

Information on likely routes of exposure

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix: 1,091.7 mg/kg

Components:

- Dipotassium EDTA Dihydrate No data available.
- Tacrine No data available.

Dermal

Product: ATEmix: 3,275.11 mg/kg

Components:

- Dipotassium EDTA Dihydrate No data available.
- Tacrine No data available.

Inhalation

Product: ATEmix: 1.33 mg/l Dusts, mists and fumes

Components:

- Dipotassium EDTA Dihydrate No data available.
- Tacrine No data available.

Repeated dose toxicity

Product: No data available.

Components:

- Dipotassium EDTA Dihydrate No data available.
- Tacrine No data available.

Skin Corrosion/Irritation

Product: No data available.

Components:

- Dipotassium EDTA Dihydrate No data available.
- Tacrine No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:



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Dipotassium EDTA Dihydrate	No data available.
Tacrine	No data available.

Respiratory or Skin Sensitization

Product:	No data available.
Components:	
Dipotassium EDTA Dihydrate	No data available.
Tacrine	No data available.

Carcinogenicity

Product:	No data available.
Components:	
Dipotassium EDTA Dihydrate	No data available.
Tacrine	No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogens present or none present in regulated quantities

ACGIH: US.ACGIH Threshold Limit Values:
No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:
No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product:	No data available.
Components:	
Dipotassium EDTA Dihydrate	No data available.
Tacrine	No data available.

In vivo

Product:	No data available.
Components:	
Dipotassium EDTA Dihydrate	No data available.
Tacrine	No data available.

Reproductive toxicity

Product:	No data available.
Components:	



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Dipotassium EDTA Dihydrate
Tacrine

No data available.
No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.
Components:
Dipotassium EDTA Dihydrate
Tacrine

No data available.
No data available.
No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.
Components:
Dipotassium EDTA Dihydrate
Tacrine

No data available.
No data available.
No data available.

Aspiration Hazard

Product: No data available.
Components:
Dipotassium EDTA Dihydrate
Tacrine

No data available.
No data available.
No data available.

Information on health hazards

Other hazards

Product: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.
Components:
Dipotassium EDTA Dihydrate
Tacrine

No data available.
No data available.
No data available.

Aquatic Invertebrates

Product: No data available.
Components:
Dipotassium EDTA

No data available.
No data available.



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Dihydrate
Tacrine No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Dipotassium EDTA No data available.

Dihydrate

Tacrine No data available.

Toxicity to microorganisms

Product: No data available.

Components:

Dipotassium EDTA No data available.

Dihydrate

Tacrine No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Dipotassium EDTA No data available.

Dihydrate

Tacrine No data available.

Aquatic Invertebrates

Product: No data available.

Components:

Dipotassium EDTA No data available.

Dihydrate

Tacrine No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Dipotassium EDTA No data available.

Dihydrate

Tacrine No data available.

Toxicity to microorganisms

Product: No data available.

Components:

Dipotassium EDTA No data available.

Dihydrate

Tacrine No data available.



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Persistence and Degradability

Biodegradation

Product:	No data available.
Components:	
Dipotassium EDTA Dihydrate	No data available.
Tacrine	No data available.

BOD/COD Ratio

Product:	No data available.
Components:	
Dipotassium EDTA Dihydrate	No data available.
Tacrine	No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
Components:	
Dipotassium EDTA Dihydrate	No data available.
Tacrine	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product:	No data available.
Components:	
Dipotassium EDTA Dihydrate	Log Kow: -4.3
Tacrine	No data available.

Mobility in soil:

Product	No data available.
Components:	
Dipotassium EDTA Dihydrate	No data available.
Tacrine	No data available.

Results of PBT and vPvB assessment:

Product	No data available.
Components:	
Dipotassium EDTA Dihydrate	No data available.
Tacrine	No data available.



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Other adverse effects:

Other hazards

Product: No data available.

13. Disposal considerations

Disposal methods: Dispose of waste and residues in accordance with local authority requirements.

Contaminated Packaging: No data available.

14. Transport information

DOTUN number or ID number: Not regulated.
UN Proper Shipping Name: Not regulated.
Transport Hazard Class(es)
Class: Not regulated.
Label(s): Not regulated.
Packing Group: Not regulated.
Marine Pollutant: Not regulated.
Limited quantity: Not regulated.
Excepted quantity: Not regulated.

Special precautions for user: Not regulated.

IMDG

UN number or ID number: Not regulated.
UN Proper Shipping Name: Not regulated.
Transport Hazard Class(es)
Class: Not regulated.
Subsidiary risk: Not regulated.
EmS No.: Not regulated.
Packing Group: Not regulated.
Environmental Hazards
Marine Pollutant: Not regulated.

Special precautions for user: Not regulated.



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IATA

UN number or ID number:	Not regulated.
Proper Shipping Name:	Not regulated.
Transport Hazard Class(es):	
Class:	Not regulated.
Subsidiary risk:	Not regulated.
Packing Group:	Not regulated.
Environmental Hazards	
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):
None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Acute toxicity (any route of exposure), Carcinogenicity

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.



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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)
None present or none present in regulated quantities.

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
Dipotassium EDTA Dihydrate
Tacrine

US. Massachusetts RTK - Substance List
No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances
No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK
No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol
Not applicable

Stockholm convention
Not applicable

Rotterdam convention
Not applicable

Kyoto protocol
Not applicable

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



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Further Information: No data available.

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