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BD, Franklin Lakes, NJ
07417 USA
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1368061

SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
367841	TUBE K2EDTA PLH 13X75 2.0 PLBL LAV	BD Vacutainer® K2E (EDTA) 3.6 mg Blood Collection Tubes
367842	TUBE EDTA PLH 13X75 2.0 BLBL PNK	BD Vacutainer® K2E (EDTA) 3.6 mg Blood Collection Tubes
367843	TUBE EDTA PLC 13X75 2.0 PLBL LAV	BD Vacutainer® K2E (EDTA) 3.6 mg Blood Collection Tubes
367846	TUBE K2EDTA PLH 13X75 2.0 SLBL LAV JP	BD Vacutainer® K2E (EDTA) 3.6 mg Blood Collection Tubes
368047	TUBE EDTA PLH 13X75 2.0 PLBL LAV BC	BD Vacutainer® K2E (EDTA) 3.6 mg Blood Collection Tubes
367835	TUBE EDTA PLC 13X75 3.0 PLBL LAV	BD Vacutainer® K2E (EDTA) 5.4 mg Blood Collection Tubes
367855	TUBE SPC EDTA PLH 13X75 3.0 PLBL TAN SP	BD Vacutainer® K2E (EDTA) 5.4 mg Blood Collection Tubes
367856	TUBE EDTA PLH 13X75 3.0 PLBL LAV	BD Vacutainer® K2E (EDTA) 5.4 mg Blood Collection Tubes
367859	TUBE K2EDTA PLH 13X75 3.0 SLBL LAV	BD Vacutainer® K2E (EDTA) 5.4 mg Blood Collection Tubes
368054	TUBE EDTA PLH 13X75 3.0 PLBL LAV BC	BD Vacutainer® K2E (EDTA) 5.4 mg Blood Collection Tubes
367844	TUBE EDTA PLC 13X75 4.0 PLBL LAV	BD Vacutainer® K2E (EDTA) 7.2 mg Blood Collection Tubes
367861	TUBE EDTA PLH 13X75 4.0 PLBL LAV	BD Vacutainer® K2E (EDTA) 7.2 mg Blood Collection Tubes
368021	TUBE EDTA PLH 13X75 4.0 PLBL LAV BC	BD Vacutainer® K2E (EDTA) 7.2 mg Blood Collection Tubes
367862	TUBE EDTA PLH 13X75 4.0 SLBL LAV	BD Vacutainer® K2E (EDTA) 7.2 mg Blood Collection Tubes
367863	TUBE EDTA PLH 13X100 6.0 PLBL LAV	BD Vacutainer® K2E (EDTA) 10.8 mg Blood Collection Tubes
367899	TUBE EDTA PLH 13X100 6.0 BLBL PNK	BD Vacutainer® K2E (EDTA) 10.8 mg Blood Collection Tubes
368049	TUBE EDTA PLH 13X100 6.0 PLBL PNK BC	BD Vacutainer® K2E (EDTA) 10.8 mg Blood Collection Tubes
368661	TUBE EDTA PLC 13X100 6.0 PLBL LAV	BD Vacutainer® K2E (EDTA) 10.8 mg Blood Collection Tubes
367866	TUBE EDTA PLH 13X100 6.0 PLBLCE RED	BD Vacutainer® K2E (EDTA) 10.8 mg Blood Collection Tubes

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368589	TUBE EDTA PLC 16X100 10.0 BLBL PNK	BD Vacutainer® K2E (EDTA) 18.0 mg Blood Collection Tubes
366643	TUBE EDTA PLH 16X100 10.0 SLBL USA LAV	BD Vacutainer® K2E (EDTA) 18.0 mg Blood Collection Tubes

Recommended restrictions

Recommended use: Scientific and industrial laboratory use. For In Vitro Diagnostic Use.
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 (Inhalation - dust and mist) Category 4

Label Elements

Hazard Symbol:

Signal Word: Warning

Hazard Statement: H332: Harmful if inhaled.

Precautionary Statements

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Prevention:	P261: Avoid breathing dust/fume/gas/mist/vapors/spray. P271: Use only outdoors or in a well-ventilated area.
Response:	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.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Dipotassium EDTA Dihydrate	No data available.	25102-12-9	100%

* 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:	No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!
Inhalation:	Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move into fresh air and keep at rest. Get medical attention if symptoms persist. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin Contact:	Wash skin with soap and water. Due to the small packaging the risk of skin contact is minimal.

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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:	Seek medical advice. 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

Symptoms:	No specific symptoms noted.
Hazards:	Low hazard for recommended handling by trained personnel.

Indication of immediate medical attention and special treatment needed

Treatment:	Get medical attention if symptoms occur.

5. Fire-fighting measures

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

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Water spray, fog, CO_2, dry chemical, or alcohol resistant foam.
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:	No specific precautions due to the small quantities handled. Use fire-extinguishing media appropriate for surrounding materials.

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. Avoid breathing dust/fume/gas/mist/vapors/spray.
Accidental release measures:	No data available.
Methods and material for containment and cleaning up:	Sweep or scoop up and remove.

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Environmental Precautions: Avoid release to the environment.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation): Observe good industrial hygiene practices. Low hazard for recommended handling by trained personnel.

Safe handling advice: Wear appropriate personal protective equipment. Observe good laboratory hygiene practices. Low hazard for recommended handling by trained personnel.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Store in a cool, dry place out of direct sunlight. Store in closed original container at temperatures between 4°C and 25°

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

Individual protection measures, such as personal protective equipment

Eye/face protection: Avoid contact with eyes and prolonged skin contact. Protective gloves and goggles must be used if there is a risk of direct contact or splash.

Skin Protection
Hand Protection: Material: Use suitable protective gloves if risk of skin contact.

Skin and Body Protection: No data available.

Respiratory Protection: Not relevant, due to the form of the product. The risk of inhalation of dust must be minimized as much as possible.

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Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state:	Solid
Form:	Powder
Color:	White
Odor:	Odorless
Odor Threshold:	No data available.
Melting Point:	No data available.
Boiling Point:	No data available.
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:	No data available.
Self Ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
pH:	No data available.

Viscosity

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

Solubility(ies)

Solubility in Water:	No data available.
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:	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.

10. Stability and reactivity

Reactivity:	Material is stable under normal conditions.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	None under normal conditions.
Conditions to avoid:	None known. None under normal conditions.
Incompatible Materials:	No common materials and contaminants with which the material may reasonably come into contact.
Hazardous Decomposition Products:	Material is stable under normal conditions.

11. Toxicological information

General information: Under normal conditions of intended use, this material does not pose a risk to health.

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:	Due to the small packaging the risk of skin contact is minimal.
Eye contact:	Due to the small packaging the risk of eye contact is minimal.
Ingestion:	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

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Inhalation: No specific symptoms noted.

Skin Contact: No specific symptoms noted.

Eye contact: No specific symptoms noted.

Ingestion: No specific symptoms noted.

Information on likely routes of exposure

Acute toxicity (list all possible routes of exposure)

Oral
Product: Not classified for acute toxicity based on available data.
Components:
Dipotassium EDTA Dihydrate — No data available.

Dermal
Product: Not classified for acute toxicity based on available data.
Components:
Dipotassium EDTA Dihydrate — No data available.

Inhalation
Product: ATEmix: 1.5 mg/l Dusts, mists and fumes
Components:
Dipotassium EDTA Dihydrate — No data available.

Repeated dose toxicity
Product: No data available.
Components:
Dipotassium EDTA Dihydrate — No data available.

Skin Corrosion/Irritation
Product: No data available.
Components:
Dipotassium EDTA Dihydrate — No data available.

Serious Eye Damage/Eye Irritation
Product: No data available.
Components:
Dipotassium EDTA Dihydrate — No data available.

Respiratory or Skin Sensitization
Product: No data available.
Components:

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Dipotassium EDTA Dihydrate	No data available.

Carcinogenicity

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

In vivo

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

Reproductive toxicity

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

Specific Target Organ Toxicity - Single Exposure

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

Specific Target Organ Toxicity - Repeated Exposure

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

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Aspiration Hazard
Product: No data available.
Components:
Dipotassium EDTA Dihydrate 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 No data available.

Aquatic Invertebrates
Product: No data available.
Components:
Dipotassium EDTA Dihydrate No data available.

Toxicity to Aquatic Plants
Product: No data available.
Components:
Dipotassium EDTA Dihydrate No data available.

Toxicity to microorganisms
Product: No data available.
Components:
Dipotassium EDTA Dihydrate No data available.

Chronic hazards to the aquatic environment:

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

Aquatic Invertebrates
Product: No data available.

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Components:
Dipotassium EDTA Dihydrate — No data available.

Toxicity to Aquatic Plants
Product: No data available.
Components:
Dipotassium EDTA Dihydrate — No data available.

Toxicity to microorganisms
Product: No data available.
Components:
Dipotassium EDTA Dihydrate — No data available.

Persistence and Degradability

Biodegradation
Product: No data available.
Components:
Dipotassium EDTA Dihydrate — No data available.

BOD/COD Ratio
Product: No data available.
Components:
Dipotassium EDTA Dihydrate — No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)
Product: No data available.
Components:
Dipotassium EDTA Dihydrate — No data available.

Partition Coefficient n-octanol / water (log Kow)
Product: No data available.
Components:
Dipotassium EDTA Dihydrate — Log Kow: -4.3

Mobility in soil:

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

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Results of PBT and vPvB assessment:

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

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: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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.

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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.

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)

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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)

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

Not regulated.

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

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

Issue Date:	01/19/2022
Version #:	18.3
Further Information:	No data available.
Disclaimer:	Disclaimer: The information contained herein has been obtained from various sources and is believed to be correct as of the date issued. However, neither BD nor any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability for a particular use of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. BD provides SDS in electronic form so the information may be more easily accessed. Due to the possibility of errors during transmission, BD makes no representations as to the completeness or accuracy of the information.