Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
211299	Indole Nitrite Medium	No data available

Recommended restrictions

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

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name:	BD, Integrated Diagnostic Solutions
Address:	7 Loveton Circle Sparks, MD 21152 USA
Telephone:	1 844 823 5433
Fax:	not available
Contact Person:	Business Unit Product Stewardship
E-mail:	IDS_SDS@bd.com

Emergency telephone number: CHEMTREC 1 800 424 9300

2. Hazard(s) identification

Hazard Classification

Health Hazards

Carcinogenicity	Category 1B

Label Elements

Hazard Symbol:

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Signal Word:	Danger
Hazard Statement:	H350: May cause cancer.
Precautionary Statements	
Prevention:	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P281: Use personal protective equipment as required.
Response:	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.
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 (%)*
Nitric acid potassium salt (1:1)	No data available.	7757-79-1	3.9216%

* 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. May cause cancer.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Inhalation:	Move to fresh air. Get medical attention if any discomfort continues.
Skin Contact:	Flush contaminated area with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.
Eye contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.
Ingestion:	If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Get medical attention immediately.
Personal Protection for First-aid Responders:	No data available.

Most important symptoms and effects, both acute and delayed

Symptoms:	Symptoms may be delayed.
Hazards:	May cause cancer.

Indication of immediate medical attention and special treatment needed

Treatment:	Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get immediate medical advice/attention.

5. Fire-fighting measures

General Fire Hazards:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water to keep fire exposed containers cool and disperse vapors.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Water spray, fog, CO2, dry chemical, or alcohol resistant foam.
Unsuitable extinguishing media:	Avoid water in straight hose stream; will scatter and spread fire.
Special hazards arising from the substance or mixture:	Fire or excessive heat may produce hazardous decomposition products.

Special protective equipment and precautions for fire-fighters

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

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

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 measures

Personal precautions, protective equipment and emergency procedures:	Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Contact local authorities in case of spillage to drain/aquatic environment.
Accidental release measures:	No data available.
Methods and material for containment and cleaning up:	Stop leak if possible without any risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Collect for salvage or disposal. Prevent runoff from entering drains, sewers, or streams. Report spills as required to appropriate authorities. See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.
Environmental Precautions:	Avoid release to the environment.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):	Adequate ventilation should be provided whenever the material is heated or mists are generated.
Safe handling advice:	Wash promptly with soap and water if skin becomes contaminated. 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.

Storage

Safe storage conditions:	Store in tightly closed original container in a dry, cool and well-ventilated 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.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Biological Limit Values
No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls	Adequate ventilation should be provided whenever the material is heated or mists are generated.

Individual protection measures, such as personal protective equipment

Eye/face protection:	Wear safety glasses with side shields (or goggles).

Skin Protection

Hand Protection:	Material: Use suitable protective gloves if risk of skin contact.
Skin and Body Protection:	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Respiratory Protection:	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Hygiene measures:	Do not eat, drink or smoke when using the product. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Avoid contact with skin.

9. Physical and chemical properties

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:	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.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

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

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:	Non-corrosive per US Department of Transportation testing protocol.

10. Stability and reactivity

Reactivity:	Material is stable under normal conditions.
Chemical Stability:	Stable; however, may decompose if heated.
Possibility of hazardous reactions:	None under normal conditions. Stable; however, may decompose if heated.
Conditions to avoid:	Avoid exposure to high temperatures or direct sunlight.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	By heating and fire, harmful vapors/gases may be formed.

11. Toxicological information

Information on toxicological effects

Inhalation:	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin Contact:	May be absorbed through the skin.
Eye contact:	Avoid contact with eyes.
Ingestion:	Ingestion may cause irritation and malaise.

Information on likely routes of exposure

Acute toxicity (list all possible routes of exposure)

Oral

Product:	ATEmix: 12,098.86 mg/kg
Components:	
Nitric acid potassium salt (1:1)	No data available.

Dermal

Product:	Not classified for acute toxicity based on available data.
Components:	
Nitric acid potassium salt (1:1)	No data available.

Inhalation

Product:	Not classified for acute toxicity based on available data.
Components:	
Nitric acid potassium salt (1:1)	No data available.

Repeated dose toxicity

Product:	No data available.
Components:	
Nitric acid potassium salt (1:1)	No data available.

Skin Corrosion/Irritation

Product:	No data available.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Components:
Nitric acid potassium salt (1:1) No data available.

Serious Eye Damage/Eye Irritation
Product: No data available.
Components:
Nitric acid potassium salt (1:1) No data available.

Respiratory or Skin Sensitization
Product: No data available.
Components:
Nitric acid potassium salt (1:1) No data available.

Carcinogenicity
Product: No data available.
Components:
Nitric acid potassium salt (1:1) No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Nitric acid potassium salt (1:1) Overall evaluation: 2A. Probably carcinogenic to humans.

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:
Nitric acid potassium salt (1:1) No data available.

In vivo
Product: No data available.
Components:
Nitric acid potassium salt (1:1) No data available.

Reproductive toxicity
Product: No data available.
Components:
Nitric acid potassium salt (1:1) No data available.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Components:	
Nitric acid potassium salt (1:1)	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
Components:	
Nitric acid potassium salt (1:1)	No data available.

Aspiration Hazard

Product:	No data available.
Components:	
Nitric acid potassium salt (1:1)	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:	
Nitric acid potassium salt (1:1)	LC 50 (Oncorhynchus mykiss, 96 h): > 98.9 mg/l Experimental result, Key study NOAEL (Oncorhynchus mykiss, 96 h): 98.9 mg/l Experimental result, Key study LC 50 (Poecilia reticulata, 96 h): 1,378 mg/l Experimental result, Key study LC 50 (Lepomis macrochirus, 96 h): > 2,400 - < 4,200 mg/l Not specified, Supporting study LC 50 (Guppy (Poecilia reticulata), 72 h): 200 mg/l Mortality

Aquatic Invertebrates

Product:	No data available.
Components:	
Nitric acid potassium salt (1:1)	LC 50 (Pond snail (Lymnaea), 24 h): 1,941 mg/l Mortality LC 50 (Polychaete worm (Capitella capitata), 28 d): 2.65 mg/l Mortality LC 50 (Water flea (Daphnia magna), 4.2 d): 900 mg/l Mortality LC 50 (Water flea (Daphnia magna), 48 h): 490 mg/l Mortality LC 50 (Water flea (Daphnia magna), 72 h): 226 mg/l Mortality

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Toxicity to Aquatic Plants
Product: No data available.
Components:
Nitric acid potassium salt (1:1) No data available.

Toxicity to microorganisms
Product: No data available.
Components:
Nitric acid potassium salt (1:1) No data available.

Chronic hazards to the aquatic environment:

Fish
Product: No data available.
Components:
Nitric acid potassium salt (1:1) No data available.

Aquatic Invertebrates
Product: No data available.
Components:
Nitric acid potassium salt (1:1) No data available.

Toxicity to Aquatic Plants
Product: No data available.
Components:
Nitric acid potassium salt (1:1) No data available.

Toxicity to microorganisms
Product: No data available.
Components:
Nitric acid potassium salt (1:1) No data available.

Persistence and Degradability

Biodegradation
Product: No data available.
Components:
Nitric acid potassium salt (1:1) No data available.

BOD/COD Ratio
Product: No data available.
Components:
Nitric acid potassium salt (1:1) No data available.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
Components:	
Nitric acid potassium salt (1:1)	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product:	Log Kow: No data available.
Components:	
Nitric acid potassium salt (1:1)	No data available.

Mobility in soil:

Product	No data available.
Components:	
Nitric acid potassium salt (1:1)	No data available.

Results of PBT and vPvB assessment:

Product	No data available.
Components:	
Nitric acid potassium salt (1:1)	No data available.

Other adverse effects:

Other hazards

Product:	No data available.

13. Disposal considerations

General information:	Dispose of waste and residues in accordance with local authority requirements.
Disposal methods:	Discharge, treatment, or disposal may be subject to national, state, or local laws. Since emptied containers retain product residue, follow label warnings even after container is emptied.
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.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

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.

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)

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

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):

Chemical Identity
Phosphoric acid, sodium salt (1:2)

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

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. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting

Chemical Identity	% by weight
Nitric acid potassium salt (1:1)	1.0%

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)

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)
Nitric acid potassium salt (1:1)

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

US. Massachusetts RTK - Substance List

Chemical Identity
Phosphoric acid, sodium salt (1:2)
Nitric acid potassium salt (1:1)

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity
Phosphoric acid, sodium salt (1:2)
Nitric acid potassium salt (1:1)

US. Rhode Island RTK

Chemical Identity
Nitric acid potassium salt (1:1)

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

Issue Date:	07/27/2022
Version #:	1.2
Further Information:	No data available.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

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.