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SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product No.:	Product name:	Common name(s), synonym(s)
364992	TUBE URIN PLC 16X100 8.0 UAP CONI RD/YEL	BD Vacutainer® Urine Analysis Preservative Tube

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

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific Target Organ Toxicity - Single Exposure	Category 3

Environmental Hazards



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Acute hazards to the aquatic environment	Category 3
Chronic hazards to the aquatic environment	Category 3

Label Elements

Hazard Symbol:



Signal Word:	Warning
Hazard Statement:	H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention:	P261: Avoid breathing dust/fume/gas/mist/vapors/spray. P264: Wash face, hands and any exposed skin thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
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Response:	P302+P352: IF ON SKIN: Wash with plenty of soap and water. P332+P313: If skin irritation occurs: Get medical advice/attention. P362: Take off contaminated clothing. 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. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention.
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Storage:	P403+P233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up.
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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 (%) [*]
Propanoic acid, sodium salt (1:1)	No data available.	137-40-6	94%
Chlorhexidine di(acetate)	No data available.	56-95-1	0.4%

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

4. First-aid measures

Description of first aid measures

General information:	Get medical attention if symptoms occur.
Inhalation:	May cause respiratory irritation. Get medical attention if symptoms occur.
Skin Contact:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running 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:	Call a physician or poison control center immediately. Due to the small packaging the risk of ingestion is minimal.



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**Personal Protection for First-aid
Responders:** No data available.

**Most important symptoms and effects, both acute and delayed
Symptoms:** No specific symptoms noted.

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

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, foam, dry powder or carbon dioxide. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.

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

Special protective equipment and precautions for fire-fighters

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. Avoid contact with spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Accidental release measures: No data available.



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Methods and material for containment and cleaning up:	Sweep or scoop up and remove.
Environmental Precautions:	Avoid release to the environment.

7. Handling and storage

Handling

Technical measures:	No data available.
Local/Total ventilation:	No data available.
Safe handling advice:	Low hazard for recommended handling by trained personnel. Observe good laboratory hygiene practices. Wear appropriate personal protective equipment.
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).



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Appropriate Engineering Controls

Low hazard for recommended handling by trained personnel.

Individual protection measures, such as personal protective equipment

Eye/face protection:

It is a good industrial hygiene practice to minimize eye contact.

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.

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. 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: 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: 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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Other information
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 under normal conditions.
Incompatible Materials:	Strong oxidizing agents.
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 likely routes of exposure

Inhalation:	May cause respiratory irritation.
Skin Contact:	Causes skin irritation. Due to the small packaging the risk of skin contact is minimal.
Eye contact:	May irritate eyes. Due to the small packaging the risk of eye contact is minimal.
Ingestion:	Due to the small packaging the risk of ingestion is minimal.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No specific symptoms noted.
Skin Contact:	Skin irritation.



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Eye contact: May cause severe irritation to eyes.

Ingestion: No data available.

Acute toxicity (list all possible routes of exposure)

Oral

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

Components:

Propanoic acid, sodium salt (1:1) No data available.

Chlorhexidine di(acetate) No data available.

Dermal

Product: No data available.

Components:

Propanoic acid, sodium salt (1:1) No data available.

Chlorhexidine di(acetate) No data available.

Inhalation

Product: No data available.

Components:

Propanoic acid, sodium salt (1:1) No data available.

Chlorhexidine di(acetate) No data available.

Repeated dose toxicity

Product: No data available.

Components:

Propanoic acid, sodium salt (1:1) No data available.

Chlorhexidine di(acetate) No data available.

Skin Corrosion/Irritation

Product: Irritating to skin.

Components:

Propanoic acid, sodium salt (1:1) No data available.

Chlorhexidine di(acetate) No data available.

Serious Eye Damage/Eye Irritation

Product: Irritating to eyes.

Components:

Propanoic acid, sodium salt (1:1) No data available.

Chlorhexidine di(acetate) No data available.



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Respiratory or Skin Sensitization

Product: No data available.
Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Carcinogenicity

Product: No data available.
Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) 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 1910.1001-1053), as amended:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product: No data available.
Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

In vivo

Product: No data available.
Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Reproductive toxicity

Product: No data available.
Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.



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Specific Target Organ Toxicity - Single Exposure

Product: May cause respiratory irritation.

Components:

Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Aspiration Hazard

Product: No data available.

Components:

Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Information on health hazards

Other hazards

Product: No data available.

12. Ecological information

General information: Contains a substance which causes risk of hazardous effects to the environment.

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Components:

Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine No data available.



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di(acetate)

Aquatic Invertebrates

Product: The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Toxicity to microorganisms

Product: No data available.

Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Chronic hazards to the aquatic environment:

Fish

Product: The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Aquatic Invertebrates

Product: The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.



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Toxicity to microorganisms

Product: No data available.
Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Persistence and Degradability

Biodegradation

Product: No data available.
Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

BOD/COD Ratio

Product: No data available.
Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.
Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.
Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Mobility in soil:

Product: No data available.
Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.



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Results of PBT and vPvB assessment:

Product: No data available.
Components:
Propanoic acid, sodium salt (1:1) No data available.
Chlorhexidine di(acetate) No data available.

Other adverse effects:

Other hazards
Product: No data available.

13. Disposal considerations

Disposal methods: Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

Contaminated Packaging: No data available.

14. Transport information

Environmental Hazards

Environmentally Hazardous: No
Marine Pollutant: No

IATA

Not Regulated.

IMDG

Not Regulated.



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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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) Proposed 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 1910.1001-1053), 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



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Skin Corrosion or Irritation, Specific target organ toxicity (single or repeated exposure)

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

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.

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable



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Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

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

Version #: 5.4

Generation date: 09/24/2024

Date of first report version: 04/19/2014

Abbreviations and acronyms:

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of



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Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Source of information: European Chemicals Agency (ECHA): Information on Chemicals.

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.



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