**Date**: 17.01.2022



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

# **Kit Components**

Kit Product No.	Kit Product Description	
364953	KIT URIN TRANSTR 13X75 4.0 C&S GR	

Kit Component(s)	Kit Component(s) Description	
8303348	TUBE URIN PLC 13X75 4.0 C&S GR SUB-ASSY	

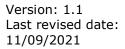
#### **IMDG**

Special precautions for user: Not regulated.

#### **IATA**

Special precautions for user: Not regulated.

Please note: If a listed component does not have a corresponding document included, this means that the product is not hazardous and does not require a Safety Data Sheet.





# **SAFETY DATA SHEET**

Classified in accordance 29 CFR 1910.1200

# 1. Identification

#### **Product identifier**

Product No.:	Product name:	Common name(s), synonym(s)
8303348	TUBE URIN PLC 13X75 4.0 C&S GR SUB-ASSY	No data available

#### 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**

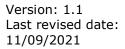
**Health Hazards** 

Toxic to reproduction Category 1B

**Label Elements** 

**Hazard Symbol:** 

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Signal Word: Danger

**Hazard Statement:** H360FD: May damage fertility. May damage the unborn child.

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

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#### **Mixtures**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Borax (B4Na2O7.10H2O)	No data available.	1303-96-4	33.8868%
Boric acid	No data available.	11113-50-1	22.5912%

<sup>\*</sup> 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: May damage fertility. May damage the unborn child.

**Inhalation:** Get medical attention immediately. Under normal conditions of

intended use, this material is not expected to be an inhalation hazard.

**Skin Contact:** If skin or hair contact occurs, remove contaminated clothing and flush

skin and hair with running water. If skin irritation or an allergic skin reaction develops, get medical attention. 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).

Call a physician or poison control center immediately. Due to the

small packaging the risk of ingestion is minimal.

Personal Protection for First-

aid Responders:

No specific precautions due to the small quantities handled., Use fire-

extinguishing media appropriate for surrounding materials.

Most important symptoms/effects, acute and delayed

**Symptoms:** No specific symptoms noted.

Hazards: Low hazard for recommended handling by trained personnel. Under

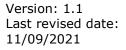
normal conditions of intended use, this material does not pose a risk to health. Prolonged or repeated exposure may cause: May damage

fertility. May damage the unborn child.

Indication of immediate medical attention and special treatment needed

**Treatment:** Get medical advice/attention if you feel unwell.

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### 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, CO2, dry chemical, or alcohol resistant foam.

Unsuitable extinguishing

media:

None known.

Specific hazards arising from

the chemical:

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 fireextinguishing 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.

Methods and material for

containment and cleaning

up:

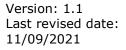
Sweep or scoop up and remove. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Environmental Precautions:** Avoid release to the environment.

#### 7. Handling and storage

#### Handling

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Technical measures (e.g. Local and general ventilation):

Low hazard for recommended handling by trained personnel. Observe good

industrial hygiene practices.

Safe handling advice: Low hazard for recommended handling by trained personnel. Observe good

laboratory hygiene practices.

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

Chemical Identity	Туре	Exposure Limit Values	Source
Borax (B4Na2O7.10H2O)	TWA	10 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	10 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended
Borax (B4Na2O7.10H2O) - Particulate.	ST ESL	50 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	AN ESL	5 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
Borax (B4Na2O7.10H2O)	TWA PEL	5 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended
Borax (B4Na2O7.10H2O) - Inhalable fraction.	TWA	2 mg/m3	US. ACGIH Threshold Limit Values, as amended
	STEL	6 mg/m3	US. ACGIH Threshold Limit Values, as amended
Borax (B4Na2O7.10H2O)	REL	5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

#### **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. Observe good

industrial hygiene practices.

Individual protection measures, such as personal protective equipment

Eye/face protection: It is a good industrial hygiene practice to minimize eye contact. Wear

approved chemical safety glasses or goggles where eye exposure is

reasonably probable.

**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. None should be needed.

**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: Not applicable
Odor Threshold: No data available.
Melting Point: Not applicable
Boiling Point: No data available.
Flammability: Not applicable

Upper/lower limit on flammability or explosive limits

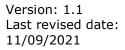
Explosive limit - upper: Not applicable
Explosive limit - lower: Not applicable
Flash Point: Not applicable
Self Ignition Temperature: Not determined.
Decomposition Not applicable

Temperature:

pH: Not applicable

Viscosity

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Dynamic viscosity:Not applicableKinematic viscosity:No data available.Flow Time:Not applicable

Solubility(ies)

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

octanol/water):

Vapor pressure:

Relative density:

Not applicable

Not applicable

Not applicable

Bulk density: Not applicable Vapor density (air=1): Not applicable

Particle characteristics

Particle Size: Not applicable
Particle Size Distribution: Not applicable
Specific surface area: Not applicable
Surface charge/Zeta Not applicable

potential:

Assessment: Not applicable
Shape: Not applicable
Crystallinity: Not applicable
Surface treatment: Not applicable

#### 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

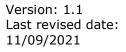
reasonably come into contact.

**Hazardous Decomposition** 

Products:

Not likely, due to the form of the product.

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# 11. Toxicological information

#### Information on likely routes of exposure

**Inhalation:** 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

No data available.

**Inhalation:** No specific symptoms noted.

**Skin Contact:** No specific symptoms noted.

**Eye contact:** No specific symptoms noted.

**Ingestion:** No specific symptoms noted.

#### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

Oral

**Product:** No data available.

Components:

Boric acid, sodium salt, Disodium tetraborate, anhydrous,

Tetraboron disodium heptaoxide, hydrate

Boric acid No data available.

Dermal

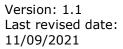
**Product:** No data available.

Components:

Boric acid, sodium No data available.

salt, Disodium tetraborate,

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anhydrous, Tetraboron disodium heptaoxide, hydrate

Boric acid No data available.

Inhalation

**Product:** No data available.

Components:

Boric acid, sodium salt, Disodium tetraborate, anhydrous, Tetraboron disodium No data available.

heptaoxide, hydrate

Boric acid No data available.

Repeated dose toxicity

**Product:** No data available.

Components:

Boric acid, sodium salt, Disodium tetraborate, anhydrous, Tetraboron disodium

No data available.

heptaoxide, hydrate

Boric acid No data available.

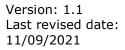
Skin Corrosion/Irritation

**Product:** No data available.

Components:

Boric acid, sodium salt, Disodium tetraborate, anhydrous, Tetraboron disodium heptaoxide, hydrate No data available.

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Boric acid No data available.

Serious Eye Damage/Eye Irritation

**Product:** No data available.

Components:

Boric acid, sodium No data available.

salt, Disodium tetraborate,

anhydrous, Tetraboron disodium heptaoxide,

hydrate

Boric acid No data available.

Respiratory or Skin Sensitization

**Product:** No data available.

Components:

Boric acid, sodium No data available.

salt, Disodium tetraborate,

anhydrous, Tetraboron disodium heptaoxide,

hydrate

Boric acid No data available.

Carcinogenicity

**Product:** No data available.

Components:

Boric acid, sodium No data available.

salt, Disodium tetraborate,

anhydrous, Tetraboron

disodium heptaoxide,

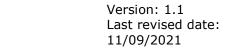
hydrate

Boric acid No data available.

## IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

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#### 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 data available.

No carcinogens present or none present in regulated quantities

#### **Germ Cell Mutagenicity**

In vitro

**Product:** No data available.

Components:

Boric acid, sodium No data available.

salt, Disodium tetraborate, anhydrous,

Tetraboron disodium heptaoxide, hydrate

Boric acid No data available.

In vivo

**Product:** No data available.

Components:

Boric acid, sodium salt, Disodium tetraborate, anhydrous,

Tetraboron disodium heptaoxide, hydrate

Boric acid No data available.

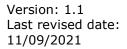
Reproductive toxicity

**Product:** Contains a substance/a group of substances with possible risk of harm to the

unborn child and with possible risk of impaired fertility.

Components:

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Boric acid, sodium

No data available.

salt, Disodium tetraborate,

anhydrous, Tetraboron disodium heptaoxide,

hydrate

Boric acid No data available.

**Specific Target Organ Toxicity - Single Exposure** 

**Product:** No data available.

Components:

Boric acid, sodium No data available.

salt, Disodium tetraborate,

anhydrous, Tetraboron disodium heptaoxide,

hydrate

Boric acid No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product:

No data available.

Components:

Boric acid, sodium

No data available.

salt, Disodium tetraborate,

anhydrous, Tetraboron disodium heptaoxide,

hydrate

Boric acid No data available.

**Aspiration Hazard** 

**Product:** No data available.

Components:

Boric acid, sodium No data available.

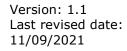
salt, Disodium tetraborate,

anhydrous, Tetraboron

disodium heptaoxide,

hydrate

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Boric acid 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:

Borax No data available.

(B4Na2O7.10H2O)

Boric acid No data available.

**Aquatic Invertebrates** 

**Product:** No data available.

Components:

Borax No data available.

(B4Na2O7.10H2O)

Boric acid No data available.

**Toxicity to Aquatic Plants** 

**Product:** No data available.

Components:

Borax (B4Na2O7.10H2O) No data available. Boric acid No data available.

Toxicity to microorganisms

**Product:** No data available.

Components:

Borax (B4Na2O7.10H2O) No data available. Boric acid No data available.

#### Chronic hazards to the aquatic environment:

Fish

**Product:** No data available.

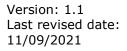
Components:

Borax No data available.

(B4Na2O7.10H2O)

Boric acid No data available.

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**Aquatic Invertebrates** 

**Product:** No data available.

Components:

Borax No data available.

(B4Na2O7.10H2O)

Boric acid No data available.

**Toxicity to Aquatic Plants** 

**Product:** No data available.

Components:

Borax (B4Na2O7.10H2O) No data available. Boric acid No data available.

Toxicity to microorganisms

**Product:** No data available.

Components:

Borax (B4Na2O7.10H2O) No data available. Boric acid No data available.

#### **Persistence and Degradability**

Biodegradation

**Product:** No data available.

Components:

Borax (B4Na2O7.10H2O) No data available. Boric acid No data available.

**BOD/COD Ratio** 

**Product:** No data available.

Components:

Borax (B4Na2O7.10H2O) No data available. Boric acid No data available.

#### Bioaccumulative potential

**Bioconcentration Factor (BCF)** 

**Product:** No data available.

Components:

Borax (B4Na2O7.10H2O) No data available. Boric acid No data available.

Partition Coefficient n-octanol / water (log Kow)

**Product:** No data available.

Components:

Borax (B4Na2O7.10H2O) No data available. Boric acid No data available.

#### Mobility in soil:

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**Product** No data available.

Components:

Borax (B4Na2O7.10H2O) No data available. Boric acid No data available.

#### Results of PBT and vPvB assessment:

**Product** No data available.

Components:

Borax (B4Na2O7.10H2O) No data available. Boric acid No data available.

#### Other adverse effects:

Other hazards

Product: No data available.
Components:
Borax (B4Na2O7.10H2O) No data available.
Boric acid 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

**DOT**UN 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.

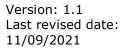
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

#### CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

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#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### **Hazard categories**

Reproductive toxicity

# 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

#### **Chemical Identity**

Borax (B4Na2O7.10H2O)

**D-Mannitol** 

Boric acid

Formic acid, sodium salt (1:1)

L-Glutamine

# US. Massachusetts RTK - Substance List

#### **Chemical Identity**

Borax (B4Na2O7.10H2O)

#### US. Pennsylvania RTK - Hazardous Substances

#### **Chemical Identity**

Borax (B4Na2O7.10H2O)

#### **US. Rhode Island RTK**

#### **Chemical Identity**

Borax (B4Na2O7.10H2O)

#### International regulations

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#### 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:** 11/09/2021

Version #: 1.1

Further Information: No data available.

**Disclaimer**: Disclaimer:

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transmission, BD makes no representations as to the completeness

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