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Company**
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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.



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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)
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 (B ₄ Na ₂ O ₇ ·10H ₂ O)	No data available.	1303-96-4	33.8868%
Boric acid	No data available.	11113-50-1	22.5912%

^{*} 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 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.

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	Type	Exposure Limit Values	Source
Borax (B ₄ Na ₂ O ₇ ·10H ₂ O)	TWA	10 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	10 mg/m ³	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended
Borax (B ₄ Na ₂ O ₇ ·10H ₂ O) - Particulate.	ST ESL	50 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	AN ESL	5 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
Borax (B ₄ Na ₂ O ₇ ·10H ₂ O)	TWA PEL	5 mg/m ³	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended
Borax (B ₄ Na ₂ O ₇ ·10H ₂ O) - Inhalable fraction.	TWA	2 mg/m ³	US. ACGIH Threshold Limit Values, as amended
	STEL	6 mg/m ³	US. ACGIH Threshold Limit Values, as amended
Borax (B ₄ Na ₂ O ₇ ·10H ₂ O)	REL	5 mg/m ³	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 Temperature: Not applicable

pH: Not applicable

Viscosity



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Dynamic viscosity:	Not applicable
Kinematic viscosity:	No data available.
Flow Time:	Not applicable
Solubility(ies)	
Solubility in Water:	Not applicable
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable
Vapor pressure:	Not applicable
Relative density:	Not applicable
Density:	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 potential:	Not applicable
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

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

Boric acid No data available.

Dermal

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

Boric acid No data available.

Repeated dose toxicity

Product: No data available.

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

Boric acid No data available.

Skin Corrosion/Irritation

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.

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 carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product: No data available.

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

Boric acid No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

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

Boric acid No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

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

Boric acid No data available.

Aspiration Hazard

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.

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.

($B_4Na_2O_7 \cdot 10H_2O$)

Boric acid No data available.

Aquatic Invertebrates

Product: No data available.

Components:

Borax No data available.

($B_4Na_2O_7 \cdot 10H_2O$)

Boric acid No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Borax ($B_4Na_2O_7 \cdot 10H_2O$) No data available.

Boric acid No data available.

Toxicity to microorganisms

Product: No data available.

Components:

Borax ($B_4Na_2O_7 \cdot 10H_2O$) No data available.

Boric acid No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Borax No data available.

($B_4Na_2O_7 \cdot 10H_2O$)

Boric acid No data available.



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Aquatic Invertebrates

Product: No data available.

Components:

Borax No data available.

($B_4Na_2O_7 \cdot 10H_2O$)

Boric acid No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Borax ($B_4Na_2O_7 \cdot 10H_2O$) No data available.

Boric acid No data available.

Toxicity to microorganisms

Product: No data available.

Components:

Borax ($B_4Na_2O_7 \cdot 10H_2O$) No data available.

Boric acid No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Components:

Borax ($B_4Na_2O_7 \cdot 10H_2O$) No data available.

Boric acid No data available.

BOD/COD Ratio

Product: No data available.

Components:

Borax ($B_4Na_2O_7 \cdot 10H_2O$) No data available.

Boric acid No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Components:

Borax ($B_4Na_2O_7 \cdot 10H_2O$) No data available.

Boric acid No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Components:

Borax ($B_4Na_2O_7 \cdot 10H_2O$) No data available.

Boric acid No data available.

Mobility in soil:



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Product	No data available.
Components:	
Borax (B ₄ Na ₂ O ₇ ·10H ₂ O)	No data available.
Boric acid	No data available.

Results of PBT and vPvB assessment:

Product	No data available.
Components:	
Borax (B ₄ Na ₂ O ₇ ·10H ₂ O)	No data available.
Boric acid	No data available.

Other adverse effects:

Other hazards	
Product:	No data available.
Components:	
Borax (B ₄ Na ₂ O ₇ ·10H ₂ O)	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

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.



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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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