

Safety Data Sheet

Doc ID: SDS-0102	Effective Date: 3/04/2020	Revision: A
Trade name	QuatroSol II 10X Tris EDTA Buffer For Heat Induced Epitope Recovery, pH 9.0	

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	QuatroSol II 10X Tris EDTA Buffer For Heat Induced Epitope Recovery, pH 9.0
Cat ##	K079
Components	EDTA Disodium Salt Dihydrate, Tween 20, Tris Base
EC	500-018-3, 247-852-1
CAS	6381-92-6, 9005-64-5, 77-86-1

1.2 Relevant identified uses of the substance or mixture and uses advised against

Liquid in plastic bottle

1.3 Details of the supplier of the safety data sheet

Diagnostic BioSystems, Inc. 6616 Owens Drive Pleasanton, CA 94588 (925) 484-3350 Customersupport@dbiosys.com
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1.4 Emergency telephone number


N/A

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Hazard Class	Category	Category	Hazard Statements (H-Statements)
N/A	N/A	N/A	This product has been classified as non-hazardous based on the physical and/or chemical nature and/or concentration of ingredients.

2.2 Label elements

Signal Word	Warning
Pictogram	
H-Statements	N/A

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P-Statements	N/A
EUH-Statements	N/A

2.3 Other hazards

N/A

SECTION 3: Composition/information on ingredients

Name	Identifiers	Classification according to CLP	Classification (for pure substances)
EDTA Disodium Salt Dihydrate	EC: N/A CAS: 6381-92-6	Concentration: <0.5%	R36/37: Irritating to eyes and respiratory system
Tween-20	EC: 500-018-3 CAS: 9005-64-5	Concentration: <0.5 %	R36: Irritating to eyes R38: Irritating to skin
Tris Base	EC: 247-852-1 CAS: 77-86-1	Concentration: <1.5%	R43: May cause sensitization by skin contact

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled	Move to well-ventilated area and seek medical attention if needed. If individual is not breathing, begin artificial respiration immediately and obtain medical attention
If on skin	Wash exposed area with soap and water
If in eyes	Immediately wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open.
If swallowed	Rinse mouth with water. Never give anything by mouth to unconscious person
Self-protection of the first aider	N/A

4.2 Most important symptoms and effects, both acute and delayed

N/A

4.3 Indication of any immediate medical attention and special treatment needed

N/A

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SECTION 5: Firefighting measures

5.1 Flammable Properties

Flash point	N/A
Flash point method	N/A
Autoignition temperature	N/A
Upper flame limit (volume % in air)	N/A
Lower flame limit (volume % in air)	N/A
Flame propagation rate (solids)	N/A
Osha flammability class	N/A

5.2 Extinguishing media

Suitable extinguishing media	Water, dry chemical, carbon dioxide or appropriate foam
Unsuitable extinguishing media	N/A

5.3 Special hazards arising from the substance or mixture

Hazardous combustion products	N/A
Other information	N/A

5.4 Advice for firefighters

Wear protective clothing containing self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Protective equipment	Ensure adequate ventilation Eye Protection: Wear goggles or safety glasses Hand protection: Wear latex or vinyl gloves Other protective equipment: Use lab coat or apron to prevent contact with eyes, skin and clothing
Emergency procedures	N/A
For emergency responders	N/A

6.2 Environmental precautions

Do not allow to enter sewage system

6.3 Methods and material for containment and cleaning up

For containment	N/A
For cleaning up	Use liquid absorbent material to absorb liquid and place in container suitable for disposal. Avoid generation of aerosols during clean up. Comply with applicable waste disposal regulations.

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Other information	N/A
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6.4 Reference to other sections

N/A

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Measures to prevent fire	N/A
Measures to prevent aerosol and dust generation	N/A
Measures to protect the environment	N/A
Advice on general occupational hygiene	Wear personal protective equipment. Ensure adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with skin and eyes. Do not ingest. Do not eat, drink when handling this product, and wash hands after handling.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.
Packaging materials	N/A
Requirements for storage rooms and vessels	N/A
Storage class	N/A
Other information	N/A

7.3 Specific end use(s)

Recommendations	N/A
Industrial sector specific solutions	N/A

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

8.2 Exposure controls

Respiratory Protection	Use in well-ventilated laboratory
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin

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	exposure
Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Odor	N/A
Order Threshold	N/A
pH	9.0
Melting Point/ Freezing Point	N/A
Initial Boiling Point/ Freezing Point	N/A
Flash Point	N/A
Evaporation Rate	N/A
Flammability	N/A
Upper/Lower Flammability or Explosive Limits	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Relative Density	N/A
Solubility	N/A
Partition Coefficient: n-octanol/water	N/A
Auto-Ignition Temperature	N/A
Decomposition temperature	N/A
Viscosity	N/A
Explosive Properties	N/A
Oxidizing Properties	N/A

9.2 Other Information

N/A

Section 10: Stability and Reactivity

10.1 Reactivity

N/A

10.2 Chemical Stability

Stable under recommended storage conditions

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10.3 Possibility of Hazardous Reactions

N/A

10.4 Conditions to Avoid

N/a

10.5 Incompatible Materials

N/A

10.6 Hazardous Decomposition Products

N/A

SECTION 11: Toxicological Information

EDTA Disodium Salt Dihydrate (in pure form): N/A	
Common route of entry	N/A
Potential Effects of Acute Exposure	N/A
Potential Effects of Chronic Exposure	N/A
Tween-20 (in pure form): mouse LD50 oral > 33gm/kg (33000mg/kg)	
Common route of entry	Ingestion
Potential Effects of Acute Exposure	Mild skin irritation
Potential Effects of Chronic Exposure	N/A
Symptoms of Overexposure	N/A
Tris base (in pure form): LD50 (oral-rat): 5900mg/kg (100%)	
Common route of entry	Ingestion
Potential Effects of Acute Exposure	N/A
Potential Effects of Chronic Exposure	N/A
Symptoms of Overexposure	N/A

SECTION 12: Ecological Information

12.1 Toxicity

N/A

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12.2 Persistence and Degradability

N/A

12.3 Bioaccumulative potential

N/A

12.4 Mobility in Soil

N/A

12.5 Results of PBT and vPvB Assessment

N/A

12.6 Other Adverse Effects

N/A

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.

SECTION 14: Transport Information

14.1 Un Number

N/A

14.2 Un Proper Shipping Name

N/A

14.3 Transport Hazard Class (es)

N/A

14.4 Packing Group

N/A

14.5 Environmental Hazards

N/A

14.6 Special Precautions for User

N/A

14.7 Transport in Bulk according to Annex II of MARPOL73/78 and the IBC Code

N/A

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SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

The product does not contain a hazardous ingredient in an amount that requires identification and labeling according to EC directives.

15.2 Chemical Safety Assessment

N/A

SECTION 16: Other Information

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information of their particular purposes.