

Issue Date: 01/12/2022  
Last Revision Date: 08/05/2023  
Superseded Date: 15/06/2020  
Version Number: 04

## SAFETY DATA SHEET

Product Code: MULTISTX10LIV

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### SECTION 1 PRODUCT IDENTIFICATION

**Product Name:** Reagent Strips for Urinalysis 10 PARAMETERS  
**Business Area:** Point of Care  
**Product Line:** Not applicable  
**Instrument Type:** Not applicable

### SECTION 2 HAZARD IDENTIFICATION

#### Emergency Overview:

NFPA Ratings: Health=0 Flammability=0 Reactivity=0

Special Definitions: A=Allergen CA=Carcinogen CO=Corrosive F=Flammable H=Harmful I=Irritant Ox=Oxidizer

PB= Potential Biohazard R=Reproductive S=Sensitizer T=Toxic T+= Highly Toxic W= Water Reactive

#### Principle routes of exposure: Ingestion, skin and /or eye contact

Inhalation: None

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Skin contact: None

Eye contact: Contact with eye may cause irritation

Sensitization or Odor threshold: The following chemical(s) may cause sensitization, be absorbed via skin, and/or has an odour  
Threshold for detection

Medical conditions aggravated

By exposure: None known

Additional information: None

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### Components: (the following ingredients are without any harmful material)

**Glucose:** 16.3%w/w glucose oxidase (Aspergillus niger, 1.3IU); 0.6%w/w peroxidase (horseradish, 3300 IU); 7.0% w/w potassium iodide; 76.1% w/w buffer and non-reactive ingredients.

**Bilirubin:** 0.4% w/w 2,4-dichloroaniline diazonium salt, balanced with buffer and non-reactive ingredients.

**Ketone:** 7.7% w/w sodium nitroprusside balanced with buffer and non-reactive ingredients.

**Specific Gravity:** 2.8% w/w bromothymol blue, 69.0%; poly (methyl vinyl ether/maleic anhydride); 28.2% sodium hydroxide

**Blood:** 6.6% w/w cumene hydroperoxide; 4.0% w/w 3, 3', 5, 5'-tetramethylbenzidine; 89.4% w/w buffer and nonreactive ingredients.

**pH:** 0.2% w/w methyl red; 2.8% w/w bromothymol blue; 97% w/w nonreactive ingredients.

**Protein:** 0.3% w/w tetrabromophenol blue; 99.7% w/w buffer and nonreactive ingredients.

**Urobilinogen:** 2.9% w/w p-diethylaminobenzaldehyde balanced with buffer and nonreactive ingredients.

**Nitrite:** 1.4% w/w p-arsanilic acid, balanced with buffer and nonreactive ingredients

**Leukocytes:** 0.4% w/w indoxyl ester derivative; 0.2%w/w diazonium salt; 99.4% w/w buffer and nonreactive ingredients.

**Ascorbic Acid:** 5.8% w/w ferric chloride; 4.9% w/w DTPA; 1.2% dipyridyl; 89.1% w/w buffer and nonreactive ingredients.

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### SECTION 4 FIRST AID MEASURES

<b>Inhalation</b>	Consult a physician. Move to fresh air, If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
<b>Skin contact:</b>	Rinse with plenty of water. If skin irritation persists, call a physician. Remove and wash contaminated clothing before re-use.
<b>Ingestion</b>	Consult a physician. Do not induce vomiting without medical advice.
<b>Eye contact</b>	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>Notes to physician</b>	None determined.

### SECTION 5 FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Use dry Chemical, CO2, water spray or 'alcohol' foam.
<b>Unusual hazards:</b>	None known.
<b>Special Protective Equipment for Firefighters:</b>	Wear self contained breathing apparatus for fire fighting if necessary.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Use personal protective equipment. Evacuate personnel to safe areas.
<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for cleaning up:</b>	Never return spills in original containers for re-use. Sweep up or vacuum (if powder) or soak up. With insert absorbent material (if liquid), then place into a suitable clean, dry, closed container and Label for disposal.

### SECTION 7 HANDLING AND STORAGE

<b>Handling:</b>	Protect from contamination. Wear personal protective equipment.
<b>Storage:</b>	No special precautions required.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Measures:</b>	Not applicable.
<b>Person Protective Equipment</b>	
<b>Respiratory protection:</b>	Respiratory protection is not required under normal use of this product. If respiratory protection is needed, follow the OSHA regulation, 29 CFR 1910.134. Always use a NIOSH approved respirator when necessary.
<b>Hand protection:</b>	Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly.
<b>Skin and body protection</b>	Wear appropriate body protection to prevent skin contact.
<b>Eye protection:</b>	Wear appropriate eye protection to prevent eye contact.
<b>Hygiene measures:</b>	Avoid contact with skin, eyes and clothing.

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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Chemical properties:** Please check above-mentioned Clause 2, Composition/information of ingredients.**Physical Properties:** the device structure is made from PET. Film strip and filter paper which was stuck on the film strips.

## SECTION 10 STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions  
**Polymerization:** Not applicable  
**Hazardous decomposition products:** Carbon oxides  
**Materials to avoid** Strong acids and strong bases. Strong oxidizing agents.

## SECTION 11 TOXICOLOGICAL INFORMATION

**Inhalation:** No additional data available.  
**Skin:** No additional data available.  
**Oral:** No additional data available.  
**Mutagenic effects:** No data is available on the product itself.  
**Reproductive toxicity:** No data is available on the product itself.

## SECTION 12 ECOLOGICAL INFORMATION

**Bioaccumulation:** Not determined.  
**Aquatic toxicity:** No data is available on the product itself.  
**Ecotoxicity effects:** No data is available on the product itself.U.S. EPA, RCRA, CERCLA, SARA, or DGC information on persistent, bioaccumulative, and toxic chemicals (PBTs):  
The Following chemicals are listed under the U.S.EPA regulations of RCRA , CERCLA, SARA, or DGC:

## SECTION 13 DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

## SECTION 14 TRANSPORT INFORMATION

**Is product hazardous to ship?** No  
**DOT**  
**Proper shipping name:** None

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UN Number: Not applicable Hazard class : Not applicable Subsidiary risk: Not applicable

Packing group: Not applicable

### ICAO/IATA

Proper shipping name: None

UN Number : Not applicable Hazard class: Not applicable Subsidiary risk: Not applicable

Packing group: Not applicable

### SECTION 15 REGULATORY INFORMATION

#### U.S Regulations:

U.S. CERCLA/SARA/TSCA Regulatory Information: The following chemicals are listed under the following TSCA/SARA/CERCLA Lists. Refer to TSCA regulation if you need a definition for acronyms that may be shown in the TSCA inventory field in the table below.

U.S. Clean Water Act ( CWA)/ California: The following chemicals are listed under the CWA and /or California Proposition 65

#### Canadian Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and MSDS contains all the information required by the controlled Products Regulations.

### SECTION 16 OTHER INFORMATION

Reason for Revision: To bring to date

References: None

Additional advice: None

## END OF SDS