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|-------------|--------------|
| Document    | QL801-215    |
| Revision    | C            |
| Prepared by | Jenifer Ohta |
| Approved by | Xiaoyan Hu   |
| Issue date  | 02/18/2022   |

[SDS]

### Urine Reagent Strips (URS-2L)

1268 N. Lakeview Ave. Anaheim, CA 92807 Phone: (714) 463-1111 Fax: (714) 463-1169 www.tecodiagnostics.com

#### Section 1 - Product and Company Identification

|   |  |  |
|---|--|--|
| <b>Product Name</b><br><b>Catalog Numbers</b><br><b>Product Type</b>                  | UTI Test Strips<br>URS-2L<br>Urine Reagent Strips                    | <b>Emergency Telephone No.</b><br>CHEMTREC (800) 424-9300<br>International CHEMTREC (703) 527-3887                                 |
| <b>Company Name</b><br><b>Street Address</b><br><b>City, State, Zip Code, Country</b> | Teco Diagnostics<br>1268 N. Lakeview Avenue<br>Anaheim, CA 92807 USA | <b>Company Telephone No.</b><br>(714) 463-1111 or (800) 222-9880<br>Monday – Friday 8:00 am – 5:00 pm PT<br>Fax No. (714) 463-1169 |
| <b>Recommended Use:</b> For <i>in vitro</i> diagnostic use only.                      |  |  |
| <b>Restrictions on Use:</b> Not for <i>in vivo</i> use.                               |  |  |

#### Section 2 – Hazard(s) Identification

|   |  |
|---|--|
| <b>Classification:</b> This material is classified as not hazardous according to the OSHA Hazard Communication Standard (29 CFR 1910.1200).   |  |
| <b>Emergency Overview:</b><br>When the recommended instructions for use are followed, the product is not expected to produce significant adverse health effects. There are no known significant effects or critical hazards; however, appropriate safety precautions should still be taken. Exercise precautions to avoid contact of the material with skin and eyes. Keep this product out of reach of children. |  |
| <b>Acute health effects:</b> No known significant effects or critical hazards have been identified.   |  |
| <b>Chronic health effects:</b> No known significant effects or critical hazards have been identified.   |  |
| For additional information on toxicity, please refer to section 11.   |  |
| <b>GHS Label elements</b>   |  |
| <b>Signal word</b>  | No signal word.  |
| <b>Hazard Statements</b>  | No known significant effects or critical hazards have been identified. |
| <b>Precautionary Statements</b>   | Not applicable   |
| <b>Hazards not otherwise classified (HNOC):</b>   | None known   |

#### Section 3 – Composition/Information on Ingredients

| Component      | Type    | Ingredient Name and Concentration                             | CAS Number              |
|----------------|---------|---|-------------------------|
| Leukocyte Test | Mixture | 0.4% w/w indoxyl ester derivative,<br>0.2% w/w diazonium salt | 99740-00-8,<br>887-76-3 |
| Nitrite Test   | Mixture | 1.4% w/w <i>p</i> -arsanilic acid                             | 98-50-0                 |

Occupational exposure limits, if available, are listed in Section 8.

#### Section 4 – First Aid Measures

|                           |  |
|---------------------------|--|
| <b>Eye contact</b>        | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.   |
| <b>Inhalation</b>         | Move victim to fresh air and at rest in a position comfortable for breathing. If person is not breathing, give artificial respiration. Get medical attention if symptoms occur.  |
| <b>Skin contact</b>       | If the test areas contact the skin, flush skin with plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur.  |
| <b>Ingestion</b>          | If victim is conscious and alert, wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| <b>General advice</b>     | If medical attention is needed, show this safety data sheet to the physician in attendance.  |
| <b>Notes to physician</b> | Treat symptomatically. If large quantities have been ingested or inhaled, contact poison control treatment specialist immediately.   |

#### Section 5 – Fire and Explosive Hazard Data

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Use water spray, foam, or dry chemical.   |
| <b>Unsuitable extinguishing media</b>                                | No data available   |
| <b>Specific hazards</b>  | No specific fire or explosion hazards.  |
| <b>Hazardous decomposition products formed under fire conditions</b> | Carbon oxides, nitrogen oxides, sulfur oxides, arsenic oxides                                     |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters should wear appropriate protective equipment and self-contained breathing apparatus. |



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### Section 6 – Accidental Release Measures

#### Procedure to be Followed in Case of Spill

|   |  |
|---|--|
| <b>For non-emergency personnel</b>          | No action should be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected persons out of the area. If not wearing personal protective equipment (PPE), do not touch spilled material.                     |
| <b>For emergency responders</b>             | Refer to section 8 for information on personal protective equipment (PPE). Put on appropriate personal protective equipment (PPE) prior to cleaning up spillage. Exercise precautions to avoid contact with skin and eyes and to prevent inhalation. |
| <b>Environmental Precautions</b>            | No data available  |
| <b>Methods for Cleaning Up and Disposal</b> | Vacuum or sweep material and place into a suitable waste container. Dispose of in accordance with federal, state, and regional regulations.  |

### Section 7 – Handling and Storage

|                       |  |
|-----------------------|--|
| <b>Handling</b>       | Wear appropriate personal protective equipment (PPE) as indicated in section 8. When using the strip, use the plastic handle to hold the strip and do not touch the test pad areas. Exercise precautions to avoid contact with skin and eyes and to prevent inhalation or ingestion of the material. |
| <b>Storage</b>        | Store at 15 – 30°C in the original container away from direct sunlight and in a dry and well-ventilated place. Keep container tightly closed when not in use. Store according to labeling instructions.  |
| <b>General advice</b> | Keep this product out of reach of children. Do not eat, drink, or smoke in area where this material is handled, stored and used. Wash hands after handling this material. Refer to section 8 for additional hygiene measures.  |

### Section 8 – Exposure Controls / Personal Protection

#### Ingredients with workplace control parameters

| Component                | CAS Number | Value | Control parameters    | Basis   |
|--------------------------|------------|-------|-----------------------|---|
| <i>p</i> -Arsanilic acid | 98-50-0    | TWA   | 0.5 mg/m <sup>3</sup> | USA. Occupational Exposure Limits (OSHA)<br>- Table Z-1 Limits for Air Contaminants     |
|                          |            | PEL   | 0.2 mg/m <sup>3</sup> | California permissible exposure limits for chemical contaminants (Title B, Article 107) |

#### Engineering Controls

There are no special ventilation requirements. Good general ventilation is sufficient.

#### Personal Protective Equipment

|                                   |   |
|-----------------------------------|---|
| <b>General hygiene measures</b>   | Handle according to section 7. Wash hands after handling this material and before breaks. |
| <b>Eye protection</b>             | Not required, but use of safety glasses with side shields is recommended.                 |
| <b>Hand protection</b>            | Not required, but use of chemical-resistant, impervious gloves is recommended.            |
| <b>Body protection</b>            | Not required, but use of lab coat is recommended.   |
| <b>Respiratory protection</b>     | Respiratory protective equipment is not required where adequately ventilated.             |
| <b>Other protective equipment</b> | Ensure an eyewash station and/or safety shower is close to the location where used.       |



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**Section 9 – Physical and Chemical Properties**

|   |  |
|---|--|
| <b>Appearance</b>                                   | 2 reagent test pads on a white plastic strip |
| <b>Odor</b>   | Not available                                |
| <b>Odor Threshold</b>                               | Not available                                |
| <b>pH</b>   | Not applicable                               |
| <b>Melting point / freezing point</b>               | Not available                                |
| <b>Initial boiling point and boiling range</b>      | Not available                                |
| <b>Flash point</b>                                  | Not available                                |
| <b>Evaporation rate</b>                             | Not available                                |
| <b>Flammability (solid, gas)</b>                    | Not available                                |
| <b>Upper/lower flammability or explosive limits</b> | Not available                                |
| <b>Vapor pressure</b>                               | Not available                                |
| <b>Vapor density</b>                                | Not available                                |
| <b>Relative density</b>                             | Not available                                |
| <b>Solubility</b>                                   | Not soluble                                  |
| <b>Partition coefficient: n-octanol/water</b>       | Not available                                |
| <b>Auto-ignition temperature</b>                    | Not available                                |
| <b>Decomposition temperature</b>                    | Not available                                |
| <b>Viscosity</b>                                    | Not available                                |
| <b>Explosive properties</b>                         | Not available                                |
| <b>Oxidizing properties</b>                         | Not available                                |

**Section 10- Stability and Reactivity**

|   |   |
|---|---|
| <b>Reactivity</b>                         | No specific data related to reactivity is available for this product.   |
| <b>Chemical Stability</b>                 | Stable under recommended storage conditions.  |
| <b>Possibility of hazardous reactions</b> | Under normal conditions for storage and use, hazardous reactions will not occur.  |
| <b>Conditions to avoid</b>                | Avoid high temperature, high humidity conditions.   |
| <b>Incompatible materials</b>             | No data available   |
| <b>Hazardous decomposition products</b>   | Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products formed under fire conditions are carbon oxides, nitrogen oxides, sulfur oxides, and arsenic oxides. |

**Section 11 – Toxicological Information**

|                           |   |
|---------------------------|---|
| <b>Routes of Exposure</b> | Skin contact, eye contact, ingestion, inhalation.   |
| <b>Acute Exposure</b>     |   |
| <b>Skin Contact</b>       | No known significant effects or critical hazards have been identified, but may cause skin irritation.   |
| <b>Eye Contact</b>        | No known significant effects or critical hazards have been identified, but may cause eye irritation.  |
| <b>Ingestion</b>          | No known significant effects or critical hazards have been identified, but may be harmful if ingested.  |
| <b>Inhalation</b>         | No known significant effects or critical hazards have been identified, but may cause irritation to mucous membranes and upper respiratory tract if inhaled. |
| <b>Chronic Exposure</b>   | Potential chronic effects: No data available  |

| <b>Toxicity</b>  |  |   |   |   |
|------------------|--|---|---|---|
| <b>Component</b> | <b>Chemical</b>                          | <b>Acute Toxicity</b>                   | <b>Chronic Toxicity</b>                 | <b>Other Information</b>                      |
| Leukocyte Test   | Indoxyl ester derivative, Diazonium salt | No data available,<br>No data available | No data available,<br>No data available | RTECS: Not available,<br>RTECS: Not available |
| Nitrite Test     | p-arsanilic acid                         | LD50 Oral – Rat 1,000 mg/kg             | No data available                       | RTECS: CF7875000                              |

| <b>Carcinogenicity</b> |  |
|------------------------|--|
| <b>IARC</b>            | Group 1: Carcinogenic to humans (Arsanilic acid)                                     |
| <b>NTP</b>             | No component of this product is on the NTP list of known or anticipated carcinogens. |
| <b>OSHA</b>            | No component of this product is on OSHA's list of regulated carcinogens.             |



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**Section 12 – Ecological Information**

|                                      |  |
|--------------------------------------|--|
| <b>Toxicity</b>                      | Not available                                    |
| <b>Persistence and degradability</b> | Not available                                    |
| <b>Bioaccumulative potential</b>     | Not available                                    |
| <b>Mobility in soil</b>              | Not available                                    |
| <b>Other adverse effects</b>         | No known significant effects or critical hazards |

**Section 13 – Disposal Considerations**

|                               |   |
|-------------------------------|---|
| <b>Product</b>                | Offer surplus and non-recyclable components to a licensed professional disposal contractor/company for disposal of this product. Comply with regional requirements. |
| <b>Contaminated packaging</b> | Do not reuse containers which may retain product residues. Dispose of as unused product.  |

**Section 14 – Transport Information**

|  |               |
|--|---------------|
| <b>DOT Classification</b>  |               |
| UN number  | Not regulated |
| UN proper shipping name  | Not available |
| Transport hazard class   | Not available |
| Packing group  | Not available |
| Environmental hazards  | No            |
| Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code) | Not available |
| Special precautions  | None          |

|  |               |
|--|---------------|
| <b>IMDG Classification</b>   |               |
| UN number  | Not regulated |
| UN proper shipping name  | Not available |
| Transport hazard class   | Not available |
| Packing group  | Not available |
| Environmental hazards  | No            |
| Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code) | Not available |
| Special precautions  | None          |

|  |               |
|--|---------------|
| <b>IATA Classification</b>   |               |
| UN number  | Not regulated |
| UN proper shipping name  | Not available |
| Transport hazard class   | Not available |
| Packing group  | Not available |
| Environmental hazards  | No            |
| Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code) | Not available |
| Special precautions  | None          |

**Section 15 – Regulatory Information**

|                               |  |
|-------------------------------|--|
| <b>US Federal Regulations</b> |  |
| TSCA                          | This product is not on the TSCA inventory. |
| Clean Water Act 307           | Arsanilic acid                             |
| Clean Water Act 311           | No data available                          |
| Clean Air Act 112             | No data available                          |

|                         |   |
|-------------------------|---|
| SARA 302 Components     | No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.   |
| SARA 311/312 Components | Not applicable  |
| SARA 313 Components     | This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. |



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### Section 15 – Regulatory Information (continued)

| US State Regulations |   | CAS#                 |
|----------------------|---|----------------------|
| Massachusetts        | No components are subject to the Massachusetts Right to Know Act.   | N/A                  |
| New Jersey           | 4,4'-Azo-3-hydroxynaphthalene-1-sulphonate [Diazonium salt],<br>Arsanilic acid                                | 887-76-3,<br>98-50-0 |
| Pennsylvania         | 4,4'-Azo-3-hydroxynaphthalene-1-sulphonate [Diazonium salt],<br>Arsanilic acid                                | 887-76-3,<br>98-50-0 |
| California Prop. 65  | Warning! This product contains a chemical known to the State of California to cause cancer.<br>Arsanilic acid | 98-50-0              |

### Section 16 – Other Information

The information contained herein has been compiled from data presented in various technical sources believed to be accurate. We make no warranties, express or implied, and assume no liability in connection with the use of this information. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary safety precautions.

N/A = Not Applicable or Not Available

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