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| Document | QL801-067 |
| Revision | B |
| Prepared by | Jenifer Ohta |
| Approved by | Steve Partono |
| Issue date | 07/09/2015 |

[SDS] **Urine Reagent Strips 4 Parameters (URS-4B, URS-4S)**
 1268 N. Lakeview Ave. Anaheim, CA 92807 Phone: (714) 463-1111 Fax: (714) 463-1169 www.tecodiag.com

Section 1 – Product and Company Information

| | | |
|---------------------------------------|-------------------------|--|
| Product Name | Urine Reagent Strips 4 | Emergency Telephone No. |
| Catalog Numbers | URS-4B, URS-4S | CHEMTREC (800) 424-9300 |
| Product Type | Urine Reagent Strips | International CHEMTREC (703) 527-3887 |
| Company Name | Teco Diagnostics | Company Telephone No. |
| Street Address | 1268 N. Lakeview Avenue | (800) 222-9880 or (714) 463-1111 Monday - Friday 8:00-4:30 PST |
| City, State, Zip Code, Country | Anaheim, CA 92807 USA | Fax No. (714) 463-1169 |

Recommended Use: For *In Vitro* Diagnostic Use Only

Section 2 – Hazard(s) Identification

Classification: This material is not classified as hazardous according to the OSHA Hazard Communication Standard (21 CFR 1910.1200).

Emergency Overview:

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. Avoid contact with eyes and skin.

Acute health effects: No known significant effects or critical hazards have been identified.

Chronic health effects: No known significant effects or critical hazards have been identified.

For additional information on toxicity, please refer to section 11.

Section 3 – Composition/Information on Ingredients

| Component | Type | Chemical Concentration or % (Based on dried weight at time of impregnation) | CAS# |
|--|---------|---|--|
| Blood Test: (for URS-4B) | Mixture | 6.6% w/w cumene hydroperoxide, 4.0% w/w 3,3',5,5'-tetramethylbenzidine, with buffer and non-reactive ingredients | 80-15-9, 54827-17-7 |
| Glucose Test: (for URS-4B and URS-4S) | Mixture | 16.3% w/w glucose oxidase (<i>Aspergillus niger</i> , 1.3IU), 0.6% w/w peroxidase (horseradish, 3300 IU), 7.0% w/w potassium iodide, with buffer and non-reactive ingredients | 9001-37-0, 9003-99-0, 7684-11-0 |
| pH Test: (for URS-4B and URS-4S) | Mixture | 0.2% w/w methyl red 2.8% w/w bromothymol blue sodium salt | 845-10-3, 34722-90-2 |
| Protein Test: (for URS-4B and URS-4S) | Mixture | 0.3% w/w tetrabromophenol blue | 108321-10-4 |
| Specific Gravity Test: (for URS-4S) | Mixture | 2.8% w/w bromothymol blue sodium salt, 69.0% poly (methyl vinyl ether/maleic anhydride) 28.2% sodium hydroxide | 34722-90-2, 9011-16-9, 1310-73-2 |

Section 4 – First Aid Measures

Ingestion

If victim is conscious and alert, wash out their mouth with water, and then give 2 to 4 cups of water. Never give anything by mouth to an unconscious person. Seek medical attention.

Inhalation

Move exposed person to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

Skin Contact

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse. Get medical attention if irritation occurs.

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

Section 5- Fire and Explosive Hazard Data

Extinguishing Media

Suitable: Use water spray, foam, or dry chemical.
 Unsuitable: None known

Specific Hazards: No known hazardous combustion products.

Special protective equipment and precautions for fire-fighters

Wear self-contained breathing apparatus and appropriate protective clothing for firefighting.



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Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear proper personal protective equipment (PPE) as indicated in section 8. Exercise appropriate precautions to avoid contact with skin or eyes and prevent inhalation.

Methods and materials for containment and cleaning up

Vacuum or sweep material and place into a suitable waste container. Dispose of in accordance with federal, state, and local regulations.

Section 7 – Handling and Storage

Handling

Wear appropriate personal protective equipment (PPE) as indicated in section 8. Avoid contact with eyes, skin, and clothing. Avoid inhalation or ingestion.

Storage

Store at 15-30°C in the original container and protect from sunlight. Keep container closed when not in use.

Section 8 – Exposure Controls / PPE

Components with workplace control parameters

The product contains no components with occupational exposure limit values.

Engineering Controls

No special ventilation requirements. Good general ventilation is sufficient.

Personal Protective Equipment

Respiratory Protection: Respiratory protective equipment is not required where adequately ventilated.

Hand Protection: Wear chemical-resistant, impervious gloves

Eye Protection: Safety glasses with side shields recommended.

Protective Clothing: Wear a lab coat.

Other protective equipment: Ensure the eyewash station and/or safety shower/wash is located near the work area.

General Hygiene Measures

Handle in accordance with good industrial hygiene practice. After handling the product, remove gloves using proper glove removal technique (without touching outer surface of glove), and dispose gloves according to applicable laws and good laboratory practices. Wash hands thoroughly. Also wash hands before eating, smoking, using the lavatory, and at end of the work period.

Section 9 – Physical and Chemical Properties

| | |
|---|--|
| Appearance | 4 small, multicolored reagent test pads on a white plastic strip |
| Odor | N/A |
| Odor threshold | N/A |
| pH | N/A |
| Melting point / freezing point | N/A |
| Initial boiling point and boiling range | N/A |
| Flash point | N/A |
| Evaporation rate | N/A |
| Flammability | Not flammable |
| Upper/lower flammability or explosion limits | N/A |
| Vapor pressure | N/A |
| Vapor density | N/A |
| Relative density | N/A |
| Solubility | Insoluble |
| Partition coefficient: n-octanol/water | N/A |
| Auto-ignition Temperature | N/A |
| Decomposition Temperature | N/A |
| Viscosity | N/A |

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Section 10 – Stability and Reactivity

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| Reactivity | Reacts with urine and possibly with other bodily fluids |
| Chemical stability | Stable under recommended storage conditions as indicated in section 7. |
| Possibility of hazardous reactions | No information available |
| Conditions to avoid | Avoid high temperature, high humidity conditions |
| Incompatible materials | No information available |
| Hazardous decomposition products | No information available |

Section 11- Toxicological Information

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|------------------------------------|---|
| Route of Entry/Exposure | Skin contact, eye contact |
| Effects of acute exposure | |
| Skin contact | May cause irritation. |
| Eye contact | May cause irritation. |
| Ingestion | May be harmful if ingested. |
| Inhalation | May cause irritation to mucous membranes and upper respiratory tract. |
| Effects of chronic exposure | No information available |

Toxicity:

| Component | Chemical | Acute Toxicity | Chronic Toxicity | Other Information |
|---|---|--|--------------------------|--|
| Blood Test: (for URS-4B) | Cumene hydroperoxide, 3, 3', 5, 5'-tetramethylbenzidine | LD50 Oral –rat 382 mg/kg, LD50 Oral –other >316 mg/kg | No information available | RTECS: MX2450000, RTECS: DV2300000 |
| Glucose Test: (for URS-4B and URS-4S) | Glucose oxidase, Peroxidase, Potassium iodide | LD50 Intraperitoneal-mouse 3 mg/kg, No information available, No information available | No information available | RTECS: RQ8452000, RTECS: Not available, RTECS: TT2975000 |
| pH Test: (for URS-4B and URS-4S) | Methyl red, Bromothymol blue sodium salt | No information available, No information available | No information available | RTECS: Not available, RTECS: Not available |
| Protein Test: (for URS-4B and URS-4S) | Tetrabromophenol blue | No information available | No information available | RTECS: Not available |
| Specific Gravity Test: (for URS-4S) | Bromothymol blue sodium salt, Poly (methyl vinyl ether/maleic anhydride), sodium hydroxide | No information available, LD50 Oral –rat >5000 mg/kg LD50 Dermal –rabbit 1350 mg/kg | No information available | RTECS: Not available, RTECS: Not available, RTECS: WB4900000 |

Carcinogenicity

| | |
|-------|---|
| IARC | No component present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| ACGIH | No component present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
| NTP | No component present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. |
| OSHA | No component present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Section 12 – Ecological Information

| | | | |
|--------------------------------------|--------------------------|------------------------------|--------------------------|
| Ecotoxicity | No information available | Mobility in soil | No information available |
| Persistence and degradability | No information available | Other adverse effects | No information available |
| Bio-accumulative potential | No information available | Water hazard class | No information available |

Section 13 – Disposal Considerations

| | |
|---|---|
| Waste residues and methods of disposal | This product has to be disposed in accordance with applicable regional, national and local laws and regulations. Surplus and non-recyclable components should be taken to a licensed waste disposal contractor for disposal. |
| Contaminated Packaging | Waste packaging should be recycled; however, since empty containers may retain some product residues, they should be taken to an approved waste handling site or given to a licensed waste disposal contractor for recycling or disposal, if recycling is not possible. |



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Section 14 – Transport Information

| | |
|---|--|
| UN Number | None. Not regulated. |
| UN Proper shipping name | None. Not regulated. |
| Transport hazard class | Not classified as hazardous. Not regulated. |
| Packing group | Not applicable |
| Environmental hazard | No information available |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable |
| DOT (USA) | Not dangerous goods. Non-hazardous for transport. |
| IMDG | Not dangerous goods. Non-hazardous for maritime transport. |
| IATA | Not dangerous goods. Non-hazardous for air transport. |
| Special precautions | None |

Section 15 – Regulatory Information

United States

HCS Classification Not regulated

U.S Federal Regulations

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory TSCA 8(b): Not determined

SARA 302: No components are subject to the reporting requirements of SARA Title III, section 302

SARA 304 Extremely Hazardous Substances Reportable Quantity: The product does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards Identification: Not regulated

Clean Water Act (CWA) 307: This product does not contain any toxic pollutants listed under the U.S. Clean Water Act section 307.

Clean Water Act (CWA) 311: This product does not contain any hazardous substances listed under the U.S. Clean Water Act section 311.

Clean Air Act (CAA) 112 accidental release prevention: No products were found

| U.S. State Regulations | Component | CAS No. |
|-------------------------------------|---|--|
| Massachusetts Right to Know: | Cumene hydroperoxide, Sodium hydroxide | 80-15-9, 1310-73-2 |
| Pennsylvania Right to Know: | Cumene hydroperoxide, 3, 3', 5, 5'-tetramethylbenzidine, Sodium 2-(p-(dimethylamino)phenylazo)benzoate [Methyl red], Bromothymol Blue sodium salt, Tetrabromophenol Blue sodium salt, Sodium hydroxide | 80-15-9, 54824-17-7, 845-10-3, 34722-90-2, 108321-10-4, 1310-73-2 |
| New Jersey Right to Know: | Cumene hydroperoxide, 3, 3', 5, 5'-tetramethylbenzidine, Sodium 2-(p-(dimethylamino)phenylazo)benzoate [Methyl red], Bromothymol Blue sodium salt, Tetrabromophenol Blue sodium salt, Sodium hydroxide | 80-15-9, 54824-17-7, 845-10-3, 34722-90-2, 108321-10-4, 1310-73-2 |
| California Prop. 65: | This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm. | N/A |

Canadian WHMIS: Exempt

Section 16 – Other Information

This product is labeled in accordance with CFR21 (Food and Drugs), Section 809.10.

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

Date of SDS Preparation: 07/09/2015