



Teco Diagnostics

Document	QL801-240
Revision	A
Prepared by	Payal Maheshwari
Approved by	Jenifer Ohta
Issue date	05/10/2016

[SDS] Microalbumin 2-1 Combo Strips: Microalbumin/Creatinine (URS-2M)

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

Section 1 – Identification

Product Name	Microalbumin 2-1 Combo Strips	Emergency Telephone No.
Catalog Numbers	URS-2M	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 PT
City, State, Zip Code, Country	Anaheim, CA 92807 USA	Fax No. (714) 463-1169

Recommended Use: For *in vitro* diagnostic use only. For professional use only.

Restrictions on use: Not for *in vivo* use.

Section 2 – Hazard(s) Identification

Classification: This material is not classified as hazardous according to the OSHA Hazard Communication Standard (29 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#
Microalbumin Test:	Mixture	1.9% w/w sulfonephthalein color 98.1% buffer and non-reactive ingredients	N/A
Creatinine Test:	Mixture	2.5% w/w copper sulfate 4.5% w/w benzidine 93% buffer and non-reactive ingredients	7758-98-7 54827-17-7

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.
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-fighting Measures

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.

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.



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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 / Personal Protection

Components with workplace control parameters

Component	CAS No.	Value	Control Parameters	Basis
Copper sulfate	7758-98-7	TWA	1.000000 mg/m3	USA. NIOSH Recommended Exposure Limits

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	2 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

Section 10 – Stability and Reactivity

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



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Section 11- Toxicological Information

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
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Toxicity:				
Component	Chemical	Acute Toxicity	Chronic Toxicity	Other Information
Microalbumin Test:	Sulfonephthalein	N/A	No information available	N/A
Creatinine Test:	Copper sulfate	LD50 Oral - Rat, 482 mg/kg Inhalation: No data available Dermal: No data available LD50 Intraperitoneal - Rat, 20 mg/kg LD50 Subcutaneous - Rat, 43 mg/kg LD50 Intravenous - Rat, 48.9 mg/kg	No information available	RTECS: GL8800000
	3,3',5,5'-Tetramethylbenzidine	LD50 Oral - Other, >316 mg/kg	No information available	RTECS: DV2300000

Carcinogenicity	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product 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		
Toxicity	Copper sulfate:	Toxicity to fish: mortality LC50 - other fish 1-2.5 mg/L - 96 h Toxicity to daphnia and other aquatic invertebrates: Immobilization EC50 - Daphnia magna (water flea) 0.024 mg/L - 48 h
Persistence and degradability		No information available
Bio-accumulative potential		No information available
Mobility in soil		No information available
Other adverse effects		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	Copper Sulfate	7758-98-7
Right to know:		
Pennsylvania	Copper Sulfate	7758-98-7
Right to know:	3,3',5,5'-Tetramethylbenzidine	54827-17-7
New Jersey	Copper Sulfate	7758-98-7
Right to know:	3,3',5,5'-Tetramethylbenzidine	54827-17-7
California Prop. 65	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm	7758-98-7
Canada WHMIS: Exempt		

Section 16 – Other Information

This product is labeled in accordance with 21 CFR (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: 05/10/2016