MEDICA

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Products For Health Care

EasyLyte Analyzers Material Safety Data Sheet (MSDS)

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Attention: Safety Officer/MSDS Requestor

In the table below is a list of chemicals/solutions required to operate and maintain the EasyLyte analyzer series. This list identifies which solutions require and do not require a Material Safety Data Sheet (MSDS).

According to Occupational Safety and Health Administration (OSHA) regulations, substances containing more than 1% of a hazardous material or more than 0.1% of an extremely hazardous material require the availability of a Material Safety Data Sheet (MSDS). If a Material Safety Data Sheet (MSDS) is required, it will accompany this memo.

Products in the table below that do not require a Material Safety Data Sheet (MSDS) should be handled with care and avoid contact with skin. If contact occurs, wash exposed area with plenty of water. As a reference, refer to the product labels for contents of active ingredients.

NOTE: Dispose of chemicals in accordance with local, state and federal regulations.

Product Description	Catalog Number(s)	MSDS Required	Chemical Substance
Solutions Packs, Na/K	2109, 2120	No	Non-hazardous material
Solutions Packs, Na/K/Cl	2112, 2121	No	Non-hazardous material
Solutions Packs, Na/K/Li	2115, 2122	No	Non-hazardous material
Solutions Packs, Na/K/Cl/Li	2026, 2028	No	Non-hazardous material
Solutions Pack, Na/K/Cl/Ca-Li	2124	No	Non-hazardous material
Solutions Packs, Na/K/Ca/pH	2114, 2123	No	Non-hazardous material
Daily Cleaning Solution Kit	2118	Yes	Pepsin (powder)
Daily Rinse/Cleaning Solution Kit	7118	Yes	Pepsin (powder)
Quality Control Kits	2814, 2815	No	Non-hazardous material
EasyLyte Electrodes	2101, 2102, 2103, 2106, 2113, 2150, 2151, 2152	No	Non-hazardous material
Urine Diluent	2111	No	Non-hazardous material
Wash Solution	2309	No	Ammonium Bifluoride (< 1%)
Internal Filling Solution	2492	No	Non-hazardous material
Standard Urine Solution	2577	No	Non-hazardous material
Red Test Dye Solution	2578	No	Non-hazardous material
Troubleshooting Kit	2572	No	Non-hazardous material
Calcium Troubleshooting Kit	2571	No	Non-hazardous material
Maintenance Kit	2095	No	Non-hazardous material
Quarterly Operating Kit	2105	Yes	Pepsin (powder)
Capillary Adapter Cleaning Kit	2292	No	Non-hazardous material

On Behalf of Medica Corporation

P. Makris

Photios Makris
Director of Regulatory Affairs

AMERICAN LABORATORIES INCORPORATED

SAFETY DATA SHEET

SECTION 1: Identification

Product Identifier:	Pepsin 1:3000 Powder
Other Identity:	None
Recommended Use:	Food Additive/Dietary Supplement
Supplier:	American Laboratories, Inc.
Supplier Address:	4410 South 102nd St. Omaha, NE 68127
Supplier Phone:	1-402-339-2494
Emergency Phone:	1-402-339-2494 Monday - Friday 8:00 a.m. to 5:00 p.m. CST

SECTION 2: Hazard Identification

Hazard Class:
Skin irritant Category 2
Eye irritant Category 2A
Skin sensitizer Category 1B
Respiratory sensitizer Category 1B

Signal Word: Danger

Hazard Statements:
Causes mild skin irritation
Causes eye irritation
May cause an allergic skin reaction
May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statements:

IF ON SKIN: In case of contact with skin, wash skin with soap and water. Remove contaminated clothing and wash.

IF IN EYES: In case of contact with eyes, flush eyes with low pressure water for at least 15 minutes. If irritation develops, seek medical attention.

IF INHALED: Avoid breathing dust. In case of inadequate ventilation wear respiratory protection. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. May cause sensitization by inhalation in hypersensitive individuals. Avoid dust generation.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Hazard Symbols:



Other Hazards:
If extremely high levels of dust are generated in ambient air, material can support combustion.

SECTION 3: Composition/Information on Ingredients

Pepsin	CAS Number: 9001-75-6	% by weight: 15 – 30%
Lactose	CAS Number: 64044-51-5	% by weight: 70 – 85%

SECTION 4: First-aid Measures

First Aid Eye:	In case of contact with eyes, flush eyes with low pressure water for at least 15 minutes. If irritation develops, seek medical attention.
First Aid Skin:	In case of contact with skin, wash skin with soap and water. Remove contaminated clothing and wash.
First Aid Ingestion:	If swallowed, rinse mouth and throat thoroughly with tap water. Drink water.
First Aid Inhalation:	If inhaled remove from contaminated area to fresh air. Report situation. Seek medical attention if allergic response is exhibited.
First Aid Advice:	The allergic symptoms are such as runny nose, cough, sneeze, languor, slight attack of fever. Contact with powder causes irritation to sensitive skin and eyes. Any person who experiences any allergic or sensitive reactions to this powder should refrain from handling it again.

SECTION 5: Fire-Fighting Measures

Fire Fighting Extinguishing Media:	Water, foam, dry chemical, carbon dioxide
Fire Fighting Chemical Hazards:	May cause allergic respiratory reaction
Fire Fighting Protective Actions:	Not available

SECTION 6: Accidental Release Measures

For non-emergency personnel:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
For emergency personnel:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Environmental precautions:	Avoid dispersal of spilled material.
Containment:	If a spill occurs: Spilled product should be removed immediately to avoid formation of dust. Vacuum or gently moisten with water and collect into a sealable container for disposal. Flush spill area with plenty of water (low pressure) into approved sewer. Avoid formation of aerosols and dusts. Ensure sufficient ventilation. Wash contaminated clothing.
Clean up:	Not available
Other issues:	Not available

SECTION 7: Handling and Storage

Handling advice:	Never handle powder without appropriate personal protective equipment in accordance with Section 8. Avoid formation of dust. Avoid splashing and high pressure washing. Ensure good ventilation of the room when handling this product.
Hygiene:	Maintain good conditions of industrial hygiene
Storage:	Store in tightly closed poly-liners within a sealed container in an odor-free environment, where normal temperatures do not exceed 30°C and normal relative humidity is not more than 70%.
Conditions to avoid:	Not available
Control:	Not available
Maintain:	Not available
Other advice:	Not available

SECTION 8: Exposure Controls/Personal Protection

Occupational exposure limits:	Not available
Biological limit values:	Not available
Control banding:	Not available
Appropriate engineering controls:	Adequate ventilation required for dusty conditions.
Eye/face protective equipment:	Protective glasses or eye shield recommended.
Skin protection:	Impermeable gloves recommended.
Respiratory protection:	None required under usual condition of use. However, if breathable dusts are present, a suitable dust mask is recommended (refer to NIOSH Criteria Guides to determine appropriate unit).
Thermal protection:	Not available
Special requirements:	Not available

SECTION 9: Physical and Chemical Properties

Appearance:	Off-White to Light Yellow Powder
Odor:	Characteristic enzyme odor
Odor Threshold:	Not available
pH:	3.0 – 4.5
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper/lower flammability or explosive limits:	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	Not available
Solubility:	Soluble
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

SECTION 10: Stability and Reactivity

Reactivity:	Not available
Stability:	Stable
Hazardous reactions:	Not available
Conditions to avoid:	Not available
Incompatible materials:	Not available
Hazardous decomposition products:	Not available

SECTION 11: Toxicological Information

Acute toxicity:	Not available
Skin corrosion/irritation:	Skin irritant Category 2
Serious eye damage/irritation:	Eye irritant Category 2A
Respiratory or skin sensitization:	Respiratory sensitizer Category 1B, Skin sensitizer Category 1B
Germ cell mutagenicity:	Not available
Carcinogenicity:	Not classified as a carcinogen by IARC, OSHA, or NTP
Reproductive toxicity:	Not available
STOT-single exposure:	Not available
STOT-repeated exposure:	Not available
Aspiration hazard	Not available

SECTION 12: Ecological Information

Toxicity:	Not available
Persistence and degradability:	Product is readily biodegradable.
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available

SECTION 13: Disposal Considerations

Disposal Methods: No special disposal method required, except that in accordance with current local authority regulations

SECTION 14: Transport Information

UN Number:	Not classified
UN Proper Shipping Name:	Not classified
Transportation Hazard Class:	Not classified
Packing Group:	Not classified
Transport Environmental Hazard:	Not classified
Transport Special Precautions:	Not classified
MARPOL:	Not classified

SECTION 15: Regulatory Information

The active ingredient and all components of the enzyme preparation are listed on the TSCA Inventory.

SECTION 16: Other Information

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