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*Products For Health Care*

## **EasyStat Material Safety Data Sheets**

Attention: Safety Officer / MSDS Requester

Following is a list of chemicals/solutions required to operate and maintain an EasyStat analyzer. This list identifies which solutions require and which do not require a Material safety Data Sheet (MSDS).

According to 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 an MSDS.

Products in this list which do not require an 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 labels for contents of active ingredients.

<u>Product Description</u>	<u>MSDS</u>	<u>Substance, (content)</u>
Reagent Module	No	Non-hazardous
Daily Cleaning Solution Kit	Yes	Pepsin, (powder)
Quality Control Kits (all levels)	No	Saline solution & buffer
Red Test Dye	No	Non-hazardous

Signed By: Photios Makris [signature on file] Date: Feb/28/2007  
(Dir. Regulatory Affairs & Quality assurance)



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NA = Not Applicable

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MATERIAL SAFETY DATA

American Laboratories, Inc.  
4410 South 102nd Street  
Omaha, NE 68127  
Phone: 402-339-2494

SECTION I - IDENTIFICATION

Trade Name: Pepsin

Name and/or Family or Description: Enzyme (digestive) glands with NF approved diluent.

Chemical Name: NA

CAS No.: 9001-75-6

CAS Name: Pepsin

DOT Label(s): NA

DOT Hazard Class: NA

DOT Proper Shipping Name: Pepsin

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS-NO.	OCCUPATIONAL EXPOSURE LIMITS		
		TLV	PEL	PERCENT
None	NA	NA	NA	NA

SECTION III - PHYSICAL/CHEMICAL DATA

State: Solid (Powder)

Solubility in Water: Soluble

Boiling Point: NA

Melting Point: NA

Evaporation Rate: NA

Vapor Density: NA

Specific Gravity: NA

Vapor Pressure: NA

#### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point/Ignition Temperature: NA

Flammable Limits in Air - LEL: NA.

UEL: NA

Extinguishing Media: Carbon dioxide, water, dry chemical or foam as appropriate for surrounding fire and materials.

Special Fire Fighting Procedures: As with all fires, evacuate personnel to safe area. Fire fighters should use self-contained breathing equipment and protective clothing.

Unusual Fire or Explosion Hazards: Being an animal protein, pepsin is assumed to be combustible. Avoid inhalation of combustion fumes. Pepsin powder may, on being transferred from container to container, generate static electrical charge, which could discharge violently.

#### SECTION V - REACTIVITY DATA

Stability - Unstable:

Stable: X

Conditions to Avoid: This material is stable from a safety point of view.

Materials to Avoid: Alcohol, Tannin, alkalis, salts of heavy metals, strong oxidizing agents.

Hazardous Decomposition Products: When heated to decomposition, material emits toxic fumes. Emits toxic fumes under fire conditions.

Hazardous Polymerization - May Occur:  
Conditions to Avoid:

Will not Occur: X

#### SECTION VI - HEALTH HAZARD DATA

Acute Effects of Overexposure: None Established

Chronic Effects of Overexposure

Acute: Eye, skin, and/ or respiratory tract irritant.

Chronic: Prolonged contact with dust may cause respiratory irritation, allergic, asthmatic reaction, possible hypersensitization, or dermatitis.

Medical Conditions Prone to Aggravation by Exposure:

Hypersensitivity to pepsin. Possible dermatological problems.  
Aggravation of bronchial asthma condition.

**Primary Routes of Entry**

Swallowing: No  
Eye contact: No  
Inhalation: Yes  
Skin contact: No

**Carcinogenicity:** Contains no known carcinogens

NTP: Not Listed  
IARC Monograph: Not Listed  
OSHA Regulated: Not Listed

**Emergency and First Aid Procedures**

Swallowing: NA  
Eye contact: May Cause Irritation. Flush with copious amounts of water.  
Inhalation: May cause irritation of respiratory tract. Avoid inhalation, remove to fresh air.  
Skin contact: May Cause Irritation or allergic reaction, flush with water.

**SECTION VII - SAFE HANDLING AND USE INFORMATION**

**Waste Disposal:** Dispose of waste in accordance with Federal, State, and Local regulations.

**Spill or Leakage Procedures:** Ventilate area, vacuum or sweep up spillage, and avoid creating dust. Wash spill site with water.

**Storage Conditions:** Store in a dry well ventilated area. Use only stainless steel, polyethylene, or plastic (poly) lined containers. Keep containers tightly closed and do not store in direct sunlight for prolonged periods.

**SECTION VIII - CONTROL MEASURES**

**Protective Equipment:**

**Respiratory Protection:** NIOSH/OSHA approved dust/mist respirator is recommended when dust is present. When working with small quantities in a well-ventilated area, respiratory protection may not be required.

**Eye Protection:** Safety glasses recommended

**Skin Protection:** As necessary to protect from skin irritation.

**Ventilation:** Local - Yes                      Mechanical -Yes

**Hygienic Practices:**

**SECTION IX - DOCUMENTARY INFORMATION**

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**Previous Issue Date:** July 10, 2002

**Approval by:**

  
11/15/02

**SECTION IX - DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

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