

# Material Safety Data Sheet

Date prepared: March 04, 2004

Date revised: N/A (first edition)

## 1. Identification of the Substance/Preparation and the Company/Undertaking

Substance or preparation trade name: **PDX-LIB**  
Unique reference numbers(s)  
Company/undertaking name & address: **Paradigm Diagnostics**  
**800 Transfer Road Suite 12**

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**St. Paul, MN 55114 US**

Telephone: **651-226-0381**  
Emergency telephone number: **651-226-0381**

## 2. Composition

Substance (% content): **Tryptone (1.7%), Potassium Phosphate (0.6%), Yeast Extract (0.6%), Sodium Chloride (0.5%), Peptone (0.3%), Esculin (0.1%), Lithium Chloride (0.5%), Ferric Ammonium Citrate (0.05%), PDX Antibiotic Mix (0.02%).**

CAS Number / EINECS **Tryptone (na / na), Potassium Phosphate (7758-11-4 / 231-834-5), Yeast Extract (8013-01-2 / na), Sodium Chloride (7647-14-5 / 231-598-3), Peptone (73049-73-7 / na), Esculin (na / na), Lithium Chloride (7447-41-8 / na), Ferric Ammonium Citrate (1185-57-5 / na), PDX Antibiotic Mix (na / na). Na = not available**

Classification: na

## 3. Hazards Identification

Potential Health effects:

Eye:

**May cause eye irritation. Low hazard for normal industrial handling.**

Skin:

**May cause skin irritation. Low hazard for normal industrial handling.**

Ingestion:

**May cause irritation to the digestive tract. Low hazard for normal industrial handling.**

Inhalation:

**May cause respiratory tract irritation. Low hazard for normal industrial handling.**

Chronic:

**No information found.**

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## 4. First aid measures

Eye:

Flush eyes with plenty of water for at least 15 minutes occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

Skin:

Flush skin with plenty of soap and water for at least 15 minutes. While removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

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Ingestion:

Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cups of milk or water. Wash mouth out with water. Get medical aid if irritation or symptoms occur.

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to physician:

Treat symptomatically.

## 5. Fire fighting measures

Suitable extinguishing media:

Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

Unsuitable extinguishing media:

Special hazards in fire:

Emits toxic fumes under fire conditions

Required special protective equipment for fire fighters:

Wear self-contained breathing apparatus in pressure demand, MSHA / NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gasses may be generated by thermal decomposition or combustion. Runoff from fire control or dilution water may cause pollution.

Auto ignition Temperature: >490 C (> 914 F)

Flash Point: na

Explosion Limits, lower: na

Explosion Limits, upper: na

NFPA Rating: na

## 6. Accidental release measures

General Information:

Use proper personal protective equipment as indicated in section 8.

Spills/Leaks:

Absorb spill with inert material (vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the protective equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Provide ventilation.

## 7. Handling and storage

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Handling:

**Wash thoroughly after handling. Wash hands before eating. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and; inhalation. Use with adequate ventilation.**

Storage:

**Store in a cool place in the original container and protect from sunlight. Store in a tightly closed container. Store in a cool, dry well-ventilated area away from**

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**incompatible substances. No special precautions indicated.**

## 8. Exposure Controls

Engineering measures:

**There are no special ventilation requirements. Facilities storing or utilizing this material should be equipped with and eyewash facility and a safety shower.**

Control Parameters:

Personal protection equipment

Eye protection:

**Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulation in 29 CFR 1910.133 pr European standard EN166.**

Hand and skin protection:

**Protective garments not normally required. Wear appropriate protective gloves to prevent skin exposure.**

Clothing and hygiene measures:

**Protective garments not normally required. Wear appropriate protective clothing to minimize contact with skin. Wear appropriate protective clothing to prevent skin exposure.**

Respirators:

**A respiratory protection program that meets OSHA's 29 CFR: 1910.134 and ABNSI Z88.2 requirements or European standard EN 149 must be followed whenever workplace conditions warrant a respirator's use. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Stander EN 149. Always us a NIOSH or European Standard EN 149 approved respirator when necessary.**

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## 9. Physical and chemical properties

Physical State: **Liquid**  
Appearance: **yellow**  
Odor: **none**  
pH: **neutral**  
Boiling point: **na**  
Melting point: **na**  
Flashpoint: **na**

Explosive  
properties: **none**

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Vapor pressure: **na**  
Relative density: **na**  
Solubility: **soluble in water**

## 10. Stability and reactivity

Conditions to avoid: **High temperature**  
Materials to avoid: **Oxidizing agents**  
Hazardous decomposition products: **None, irritating and toxic fumes and gasses.**

## 11. Toxicological information

Acute toxicity: **na**  
Local effects: **na**  
Excessive exposure may affect human  
health as follows:  
Skin contact: **na**  
Eye contact: **na**  
Inhalation/ingestion: **na**

## 12. Ecological information

**na**

## 13 Disposal Considerations

**na**

## 14. Transport information

Classification data: **na**  
US DOT **na**  
Canadian TDG **na**

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## 15. Regulatory information

### US Federal

TSCA            **These chemicals are not on the Health and Safety Reporting list. They are not under a Chemical Test Rule. They are not listed under TSCA section 12b.**

SARA            **These chemicals do not contain an RQ or TPQ. They are not reportable under section 313.**

Clean Air Act: **This material does not contain any hazardous air pollutants, class 1-**

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**ozone depletors or class 2-ozone depletors.**

Clean Water Act: **None of the chemicals in this product are considered highly hazardous by CWA**

OSHA            **None of the chemicals in this product are considered highly hazardous by OSHA**

### State

**None of the chemicals in this product are listed.**

### European / International Regulations

**European Labeling in Accordance with EC Directives**

Hazard Symbols: **na**

Risk phrases:    **none**

Safety Phrases: **S 24/25 Avoid contact with skin and eyes**

### WGK (Water Danger/Protection)

### United Kingdom Occupational limits

### Canada

**None of the chemicals in this product are listed on the DSL/NDSL list. WHMIS: na**

### Exposure Limits

## 16. Other Information

Recommendations/restrictions: **Paradigm Diagnostics believes the information above is accurate and representative of the currently available information. Paradigm Diagnostics makes no warranty of the merchantability or any other warranty, express or implied, with the respect to such information, and we assume no liability resulting from its use. Product users should make their own determinations as to the suitability of the information for their purposes. Paradigm Diagnostics shall not be held liable for any claims, losses, or damages of any third party (such as co packer) or for the lost profits or any indirect consequential or exemplary damages.**

Sources of key data used to compile Safety Data Sheet: **Key ingredient MSDS sheets.**