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Manufacturer / Distributor
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Phone: 800-332-1042

MATERIAL SAFETY DATA SHEETS

Catalog Number:	Kit Name:
190, 190E	OSOM[®] Influenza A&B Test

Item Number:	Component Name:
2077	OSOM[®] Influenza A&B Test Extraction Buffer

The Influenza A Positive Control Swab is an "article" and does not require an MSDS.
The Influenza B Positive Control Swab is an "article" and does not require an MSDS.



MATERIAL SAFETY DATA SHEET
OSOM® Influenza A&B Test Extraction Buffer

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: OSOM® Influenza A&B Test Extraction Buffer

Synonym(s): Extraction Buffer

Product Use: Component of OSOM® Influenza A&B Test kit (catalog # 190, 190E). For use in the qualitative detection of influenza A and B viral antigens. For In Vitro Diagnostic Use Only.

Description: Aqueous solution containing salts, detergent, albumin protein and bactericide.

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Phone: 1-800-332-1042

Emergency Telephone Numbers

Genzyme (U.S.): +1 617-562-4555

CHEMTREC (U.S.): 1-800-424-9300

CHEMTREC (Outside U.S.): +1 703-527-3887

2. HAZARDS IDENTIFICATION

Precautionary Statements:

The chemical, physical and toxicological properties of this preparation have not been thoroughly characterized. May be irritating to eyes and skin. Avoid contact with eyes and skin. Do not ingest or inhale. The bovine serum albumin (BSA) in this product is of US origin. The BSA was obtained from a supplier who holds a Certificate of Origin, Certificate of Analysis, and/or an EDQM Certificate of Suitability documenting the evaluation of reduction of TSE (Transmissible Spongiform Encephalopathy) risk. Preparation appearance: clear, colorless liquid.

Routes of Exposure:

Occupational exposure routes may include eye and skin contact.

Potential Health Effects:

Inhalation	Aerosol inhalation may cause coughing and sore throat.
Eye	Eye exposure may cause irritation, redness and watering.
Skin	Skin contact may cause irritation, dryness and redness.
Ingestion	No data available.
Chronic Effects	No data available.
Target Organs	Unknown.

Regulatory Status:

This preparation is not classified as hazardous under U.S. OSHA 29 CFR 1910.1200; E.C. Directive 1999/45/EC; Canadian R.S. 1985, c. H-3; U.K. CHIPS 2002 No. 1689; or U.N. GHS ST/SG/AC 10/30.

None of the components present in this preparation at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.



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Potential Environmental Effects:

Unknown.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS #	EC #	% (wt/wt)
Water	7732-18-5	231-791-2	95 - 96
EC R-Phrases: None	EC Hazard Class: None		
L-Aspartic acid, monosodium salt	3792-50-5	223-264-0	2 - 3
EC R-Phrases: None	EC Hazard Class: None		
Trade Secret Detergent	Trade Secret	Trade Secret	< 1
EC R-Phrases: R36/38	EC Hazard Class: Xn		
Sodium chloride	7647-14-5	231-598-3	< 1
EC R-Phrases: R36/38	EC Hazard Class: Xi		
Sodium phosphate dibasic, anhydrous	7558-79-4	231-448-7	< 1
EC R-Phrases: R36/38	EC Hazard Class: Xi		
Bovine serum albumin	9048-46-8	232-936-2	< 1
EC R-Phrases: None	EC Hazard Class: None		
Ethylene glycol	107-21-1	203-473-3	< 1
EC R-Phrases: R22	EC Hazard Class: Xn		
Sodium azide	26628-22-8	247-852-1	< 0.1
EC R-Phrases: R28, R32, R50, R53	EC Hazard Class: T+, N		
Sodium phosphate monobasic dihydrate	13472-35-0	231-449-2	< 0.1
EC R-Phrases: None	EC Hazard Class: None		
Methylchloroisothiazolinone	26172-55-4	247-500-7	< 0.01
EC R-Phrases: R23/24/25, R34, R43, R50/53	EC Hazard Class: C, T, N		
Modified alkyl carboxylate	Not Assigned	Not Assigned	< 0.01
EC R-Phrases: None	EC Hazard Class: None		
Methylisothiazolinone	2682-20-4	220-239-6	< 0.01
EC R-Phrases: R23/24/25, R34, R43, R50/53	EC Hazard Class: C, T, N		

4. FIRST AID MEASURES

Inhalation:

If inhaled, move from exposure area to fresh air. Seek medical attention if breathing becomes difficult or if cough or other symptoms develop.

Eye Contact:

Immediately flush eyes with plenty of tepid water for 15 minutes while separating eyelids with fingers. Remove contact lenses if worn. Obtain medical attention if needed or if symptoms, such as redness or irritation persist.

Skin Contact:

In case of contact, flush skin with copious amounts of cool water and remove contaminated clothing. Obtain medical attention if needed or if irritation or other symptoms develop.

Ingestion:

In case of ingestion, contact a poison control center or physician for instructions.



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5. FIRE FIGHTING MEASURES

Flammable Properties:

Dilute aqueous solution not considered a fire hazard.

Suitable Extinguishing Media:

Use extinguishing media suitable for surrounding fire, such as carbon dioxide, chemical foam, dry chemical or water spray.

Unsuitable Extinguishing Media:

Unknown.

Specific Hazards Arising from the Chemical:

None expected.

Standard Protective Equipment and Precautions for Firefighters:

Firefighters should wear NIOSH-approved or equivalent Self-Contained Breathing Apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Wear Personal Protective Equipment (PPE) as indicated in Section 8. Avoid physical contact with material. Wash hands thoroughly after handling.

Environmental Precautions:

This preparation contains a small amount of sodium azide which can react with copper, lead, brass or solder in plumbing systems and form potentially explosive metal azides. Follow proper disposal procedures.

Methods and Materials for Containment and Clean-Up:

Absorb spill with inert material/sorbent. Decontaminate the spill site following standard procedures. Dispose of materials in accordance with all applicable federal, state, local and provincial environmental regulations, per Section 13.

7. HANDLING AND STORAGE

Handling:

Follow good laboratory hygiene practices. See Section 8, Engineering Controls. Minimize contact and contamination of personal clothing and skin. Wash hands thoroughly after handling.

Storage:

Store at room temperature, 15 to 30°C (59 to 86°F). Do not store with incompatible substances; see Section 10.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

There are no ACGIH, NIOSH, OSHA or country-specific occupational exposure limits currently established for components present in this preparation at concentrations equal to or greater than 1% (0.1% if carcinogen).

Engineering Controls:

This preparation is aqueous and non-volatile and is not expected to require special ventilation measures. Facilities storing or utilizing this preparation should be equipped with an eyewash fountain.

Personal Protective Equipment (PPE):

Respiratory A respirator is not required under normal conditions of use.

Eye/Face Wear appropriate protective safety eye glasses or goggles.



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Personal Protective Equipment (PPE):

Skin	Wear lab coat or other protective garments. Remove contaminated clothing promptly.
Gloves	Wear chemical resistant protective gloves.
General	Follow company-specific safety procedures.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless liquid	pH:	7.6 (approx.)
Odor:	Not available	Solubility:	Water-soluble
Boiling Point:	Not available	Vapor Pressure:	Not available
Melting Point:	Not applicable	Partition Coefficient (n-octanol/water):	Not available
Freezing Point:	Not available	Vapor Density:	Not available
Flammability/Explosivity Limits in Air, Lower:	Not available		
Flammability/Explosivity Limits in Air, Upper:	Not available		
Auto-Ignition Temperature:	Not applicable		
Flash Point:	Not available		

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable under ordinary conditions of use and storage; (see handling and storage information in Section 7).

Conditions to Avoid:

There are no physical conditions known to result in a hazardous situation.

Incompatible Materials:

Avoid strong oxidizers, strong acids and bases, heavy metals and their salts.

Hazardous Decomposition Products:

None expected under normal conditions of use.

Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Effects:

No data available.

Local Effects:

No data available.

Chronic Effects:

No data available.

Carcinogenicity:

None of the components present in this preparation at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.



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Mutagenicity:

No data available.

Teratogenicity:

No data available.

Reproductive Effects:

No data available.

Sensitization:

No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No data available.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

No data available.

Mobility in Environmental Media:

No data available.

13. DISPOSAL CONSIDERATIONS

Methods of Disposal:

This preparation contains a small amount of sodium azide which can react with copper, lead, brass or solder in plumbing systems and form potentially explosive metal azides. If preparation enters drain, flush with a large volume of water to prevent azide build-up. Dispose of unused product, spilled material and waste in accordance with all applicable federal, state, local and provincial environmental and hazardous waste regulations.

14. TRANSPORT INFORMATION

Basic Shipping Description:

Not classified as dangerous goods. Not regulated per IATA and DOT regulations.

15. REGULATORY INFORMATION

US Federal Regulations:

This preparation is a component of an FDA-regulated in vitro diagnostic device.

Inventory - United States - Section 8(b) Inventory (TSCA)

L-Aspartic acid, monosodium salt	3792-50-5	Present
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International Regulations:

If approved for European Communities use, this product is regulated under the In Vitro Diagnostic Medical Devices Directive (98/79/EC).

Inventory - Canada - Non-Domestic Substances List (NDSL)

L-Aspartic acid, monosodium salt 3792-50-5 Present

Inventory - European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

L-Aspartic acid, monosodium salt 3792-50-5 223-264-0

Inventory - Japan Existing and New Chemical Substances (ENCS)

L-Aspartic acid, monosodium salt 3792-50-5 2-1308

Canadian Hazardous Products:

WHMIS Status Non-controlled

European Communities Dangerous Substances/Preparations:

EC Hazard Class None

Risk Phrases None

Safety Phrases None

16. OTHER INFORMATION

Further Information:

This MSDS has been prepared in accordance with the ANSI Z400.1 format. Every effort has been made to adhere to the hazard criteria and content requirements of the US OSHA Hazard Communication Standard, European Communities Safety Data Sheets Directive, Canadian Controlled Products Regulations, UK Chemical Hazard Information and Packaging Regulations, and UN Globally Harmonized System of Classification and Labelling of Chemicals.

MSDS Origination Date: July 24, 2006

Version #: 3

Revision Date: August 24, 2007

Disclaimer:

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