



Corporate Headquarters  
**Genzyme Corporation**  
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Manufacturer / Distributor  
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6659 Top Gun Street  
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50 Gibson Drive  
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### MATERIAL SAFETY DATA SHEETS

Catalog Number:	Kit Name:
<b>190, 190E</b>	<b>OSOM<sup>®</sup> Influenza A&amp;B Test</b>

Item Number:	Component Name:
<b>2077</b>	<b>OSOM<sup>®</sup> Influenza A&amp;B Test Extraction Buffer</b>

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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**Emergency Telephone Numbers**

**Genzyme (U.S.):** 617-562-4555

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

**CHEMTREC (Outside U.S.):** 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 and meets the current standards for 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:**

<b>Inhalation</b>	Aerosol inhalation may cause coughing and sore throat.
<b>Eye</b>	Eye exposure may cause irritation, redness and watering.
<b>Skin</b>	Skin contact may cause irritation, dryness and redness.
<b>Ingestion</b>	No data available.
<b>Chronic Effects</b>	No data available.
<b>Target Organs</b>	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. CHIP 2002 No. 1689; and/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
<b>EC R-Phrases:</b> None	<b>EC Hazard Class:</b> None		
L-Aspartic acid, monosodium salt	3792-50-5	223-264-0	2 - 3
<b>EC R-Phrases:</b> None	<b>EC Hazard Class:</b> None		
Trade Secret Ingredient	Trade Secret	Trade Secret	< 1
<b>EC R-Phrases:</b> None	<b>EC Hazard Class:</b> None		
Sodium chloride	7647-14-5	231-598-3	< 1
<b>EC R-Phrases:</b> None	<b>EC Hazard Class:</b> None		
Sodium phosphate dibasic, anhydrous	7558-79-4	231-448-7	< 1
<b>EC R-Phrases:</b> None	<b>EC Hazard Class:</b> None		
Bovine serum albumin	9048-46-8	232-936-2	< 1
<b>EC R-Phrases:</b> None	<b>EC Hazard Class:</b> None		
Ethylene glycol	107-21-1	203-473-3	< 1
<b>EC R-Phrases:</b> R22	<b>EC Hazard Class:</b> Xn		
Sodium azide	26628-22-8	247-852-1	< 0.1
<b>EC R-Phrases:</b> R28, R32, R50, R53	<b>EC Hazard Class:</b> T+, N		
Sodium phosphate monobasic dihydrate	13472-35-0	231-449-2	< 0.1
<b>EC R-Phrases:</b> None	<b>EC Hazard Class:</b> None		
Methylchloroisothiazolinone	26172-55-4	247-500-7	< 0.01
<b>EC R-Phrases:</b> R23/24/25, R34, R43, R50/53	<b>EC Hazard Class:</b> C, T, N		
Modified alkyl carboxylate	Not Assigned	Not Assigned	< 0.01
<b>EC R-Phrases:</b> None	<b>EC Hazard Class:</b> None		
Methylisothiazolinone	2682-20-4	220-239-6	< 0.01
<b>EC R-Phrases:</b> R23/24/25, R34, R43, R50/53	<b>EC Hazard Class:</b> 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 using 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**

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

**10. STABILITY AND REACTIVITY**

**Chemical Stability:**

Stable under ordinary conditions of use and storage. See 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:**

No data available.

**Mutagenicity:**

No data available.



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

L-Aspartic acid, monosodium salt	3792-50-5	223-264-0
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**Inventory - Japan Existing and New Chemical Substances (ENCS)**

L-Aspartic acid, monosodium salt	3792-50-5	2-1308
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**Canadian Hazardous Products:**

**WHMIS Status** Exempt

**European Communities Dangerous Substances/Preparations:**

**EC Hazard Class** None

**Risk Phrases** None

**Safety Phrases** None

<b>16. OTHER INFORMATION</b>
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**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 U.S. OSHA Hazard Communication Standard, Canadian Controlled Products Regulation (CPR), UK Chemical Hazard Information and Packaging Regulations, European Communities REACH Regulation, and UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

**MSDS Origination Date:** July 24, 2006

**Version #:** 4

**Revision Date:** November 12, 2008

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