

73148-6

03/17/2010

1/5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



United States  
Environmental Protection  
Agency

Office of Pesticide Programs

Ishizuka Glass Co., Ltd  
c/o Delta Analytical Corporation  
12510 Prosperity Drive, Suite 160  
Silver Spring, MD 20904

MAR 17 2010

Attention: Jeff Jones

**Subject: IONPURE ZAF HS**  
**EPA Registration No. 73148-6**  
**Amendment Dated February 24, 2010**

This will acknowledge receipt of your, submitted under the provisions of FIFRA Section 3(c)(9).

Proposed Notification:

- To update Storage and Disposal language per PR Notice 2007-4

General Comment:

Based on a review of the submitted material, the following comments apply.

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been added to your file

If you have any questions or comments concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,

A handwritten signature in cursive script that reads "Martha Terry".

Marshall Swindell  
Product Manager 33  
Regulatory Management Branch I  
Antimicrobials Division (7510P)



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number  
**NOTIF**

**Application for Pesticide - Section I**

1. Company/Product Number <b>73148-6</b>	2. EPA Product Manager <b>Marshall Swindell</b>	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Ishizuka Glass Co., Ltd. / Ionpure ZAF HS</b>	PM# <b>33</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>Ishizuka Glass Co., Ltd. c/o Delta Analytical Corp. 12510 Prosperity Drive, Suite 160 Silver Spring, MD 20904</b> <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____ Product Name _____	

**Section - II**

Amendment - Explain below  
 Resubmission in response to Agency letter dated \_\_\_\_\_  
 Notification - Explain below.

Final printed labels in response to Agency letter dated \_\_\_\_\_  
 "Me Too" Application.  
 Other - explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

**Notification per PR Notice 2007-4 to update the Storage and Disposal language.**  
 Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material this Product will be Packaged in:

Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted.		If "Yes," Unit Package wgt.    No. per container	If "Yes," Unit Package wgt.    No. per container

3. Location of Net Contents Information  
 Label  Container

4. Size(s) of Retail Container

5. Location of Label Direction  
 On Label  
 On Labeling accompanying product

6. Manner In Which Label Is Affixed to Product  
 Lithograph  
 Paper glued  
 Stenciled  
 Other \_\_\_\_\_

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name <b>Jeff Jones</b>	Title <b>Agent Ishizuka Glass Co., Ltd.</b>	Telephone No. (Include Area Code) <b>301-680-7971</b>
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**Certification**  
 I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any kind of knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature 	3. Title <b>Agent, Ishizuka Glass Co., Ltd.</b>	6. Date Application Received <b>(Stamped)</b>
4. Typed Name <b>Jeff Jones</b>	5. Date <b>February 24, 2010</b>	



February 24, 2010

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive, Room S-4900  
Arlington, VA 22202

Attn: Marshall Swindell PM 33

Re: **Notification per PR Notice 2007-4; Update of Storage and Disposal language**  
**Product: lonpure ZAF HS**  
**EPA Reg. No.: 73148-6**  
**Company: Ishizuka Glass Co., Ltd.**

Dear Marshall:

On behalf of Ishizuka Glass Co., Ltd., I am submitting a label notification per PR Notice 2007-4 to update container language in the Storage and Disposal section of the label for the product, lonpure ZAF HS, EPA Reg. No. 73148-6.

Ishizuka Glass Co. packages all of its products in cardboard boxes with a polyethylene lined aluminum pouch/bag inside. Language covering this type of packaging was approved for lonpure ZAF MS, EPA Reg. No. 73148-7. An identical statement has been used to update the Storage and Disposal statement of this product, lonpure ZAF HS. No other changes have been made to the label.

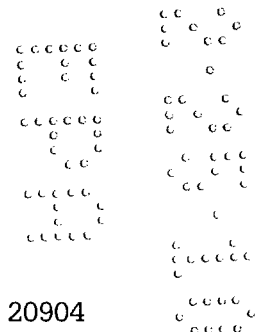
Enclosures

- EPA form 8570-1
- 1 copy of the label with revisions highlighted

If you have any questions regarding this submission, please contact me at 301-680-7971 or [jjones@delta-ac.com](mailto:jjones@delta-ac.com).

Sincerely,

Jeff Jones, Agent  
Ishizuka Glass Co., Ltd.



# IONPURE ZAF HS

## Silver-Glass

IONPURE ZAF HS is an antimicrobial powder for commercial and industrial use designed to be incorporated into various materials during varying stages of the manufacturing process to preserve the integrity of the manufactured materials. IONPURE ZAF HS is a preservative for use in the manufacture of plastic films, interior paint, paper coatings, adhesives, and synthetic fibers. For more details of the various materials, refer to the supplemental labeling for uses of IONPURE ZAF HS. Not for use in food grade paper, paperboard product, paper coatings, and adhesives.

Active Ingredient:	
Silver* as elemental.....	1.8%
Other Ingredients.....	98.2%
Total.....	100.00%

\*from silver-magnesium-aluminum-phosphate-borate complex

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

### DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

FIRST AID	
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
For medical questions, emergencies or accidents involving this product call: 1-800-858-7378. Have the product container or label with you when calling a poison control center or doctor.	

### BLENDED AND FORMULATING INSTRUCTIONS FOR THE LISTED MATERIALS

IONPURE ZAF HS is a silver glass antimicrobial powder designed to be incorporated into various materials at various stages of their manufacturing process to preserve the integrity of the manufactured materials. The powder can be incorporated into the materials as an integral part of the finished products throughout their entire thickness, or as a film over the surfaces of the manufactured materials, depending on the particular method of manufacture of the finished materials and needs of the manufacturer.

IONPURE ZAF HS may be incorporated into the following materials at the specified Maximum Concentration (MC) on a dry weight basis of finished products, or on a weight by weight basis for liquid products such as paints.

	APPLICATION	MC
<b>Plastics and Films</b>	non food use only and no water pipes polyethylene, polypropylene, polyvinyl chloride, polyacetate, and polyester	1.5%*
<b>Paint</b>	water based and solvent based-interior only	1.5%
<b>Paper coating</b>	non food packaging paper, no food contact, not for paper production use	1.5%
<b>Adhesive</b>	non food contact: plywood adhesives	2.0%
<b>Fibers</b>	polyester, nylon, polypropylene, acrylic and rayon	2.0%
<b>Textile Finishing</b>		1.0%

(\*Use, for example, 1.5 pounds of product in 100 pounds of plastic polymer)

For details in blending IONPURE ZAF HS with these materials refer to supplemental labeling.

### PRECAUTIONARY STATEMENTS

#### HAZARD TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Avoid contamination of cooking utensils and food preparation surfaces.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge-Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your state water board or regional office of the EPA.

#### Manufactured by:

Ishizuka Glass Co. Ltd.  
1880 Kawai-cho, Iwakura City  
Aichi, 482-8510, Japan  
Telephone: (81) 587-37-3251

EPA Reg No. 73148-6 EPA Est. No. 73148-JPN-001

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal. **PESTICIDE STORAGE:** Do not store in areas accessible to children. Do not store in places where food or feed may come in contact with the product. Keep away from direct sunlight or humidity. In case of spill, collect material and dispose of it as specified below. **PESTICIDE DISPOSAL:** Unused materials should be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Non refillable container. Do not reuse or refill this container. Empty bag completely and dispose in regular trash collection. Offer cardboard container for recycling if available or dispose in regular trash collection.

### NET CONTENTS:

9/5

# IONPURE ZAF HS

## Silver-Glass

### SUPPLEMENTAL LABELING

**Claims:** IONPURE ZAF HS is to be incorporated into the following materials at suitable stages of the manufacturing process to preserve the integrity of the manufactured/treated materials, and thus make them suppress the growth of bacteria and mold. Not for use in food grade paper, paperboard products, paper coatings, and adhesives.

<b>Plastics &amp; films</b>	<p><b>Use:</b> non food use only, no food contact and no water pipes</p> <p><b>Polymers:</b> polyester, polyamide, polypropylene, polyethylene, polysiloxane, polyethylene copolymer, polyvinyl alcohol, epoxy resin, phenol resin, polycarbonate, cellulose acetate, polystyrene, polyurethane, acrylic resin, methyl methacrylate, acrylonitrile butadiene styrene copolymer, etc.</p> <p><b>Products:</b> gloves, shower curtains, cable wraps, protective covers, foam containers, brush handles, sponges, insulators, gaskets, tubings, containers, films, furniture, etc.</p>
<b>Paint</b>	<p><b>Use:</b> interior paints</p> <p><b>Type:</b> water based or solvent based paint</p>
<b>Paper coating</b>	<p><b>Use:</b> non food packaging paper, no food contact, not for paper production use</p> <p><b>Type:</b> cellulosic, synthetic, specialty, reinforced papers, etc.</p> <p><b>Products:</b> wall paper, wiping towels, book covers, corrugated paper filters, etc.</p>
<b>Adhesive</b>	<p><b>Use:</b> not for adhesives for paper or containers that will come in contact with food</p> <p><b>Products:</b> adhesives for plywood manufacture, adhesive for cement tile and sealants, etc.</p>
<b>Fibers</b>	<p><b>Polymers:</b> polyester, polypropylene, nylon, polyethylene, acrylic, rayon, etc.</p> <p><b>Products for home furnishings:</b> mattress cover pads, sheets, blankets, quilt and pillow fiber fill, curtains and drapery, carpet and its underlay, upholstery, wiping cloths, towels, bags, wall covering fabrics, cushion pads, etc.</p> <p><b>Products for apparel:</b> interlinings, industrial uniforms, coats and aprons, sportswear, sleepwear, stockings, socks, helmets, caps, gloves, etc.</p> <p><b>Products for industrial:</b> brush bristles, shoe linings, artificial leather, filters, book covers, sail cloth, ropes, etc.</p>
<b>Textile Finishing</b>	<p><b>Products:</b> various surface resin coating textiles</p>