



U.S. ENVIRONMENTAL PROTECTION  
AGENCY

Office of Pesticide Programs  
Antimicrobials Division (7510C)  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

EPA Reg.

Number:

73148-7

Date of Issuance:

AUG 20 2008

Term of Issuance:

Unconditional

Name of Pesticide Product: IONPURE

ZAF MS

Name and Address of Registrant (include ZIP Code):

Ishizuka Glass Company  
1880, Kawai-cho, Iwakura-city  
Aichi-ken, 482-8510, Japan

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Add the phrase "EPA Registration Number 73148-7."

Signature of Approving Official:

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

Date:

AUG 20 2008

The Confidential Statement of Formula dated April 24<sup>th</sup>, 2008, is acceptable.

3. Revise the Confidential Statement of Formula, under item#11, revise "Innuisho Precision Metals Co., Ltd." to read "Inuisho Precious Metals Co., Ltd."
4. Under the Container Disposal section, provide options for disposing of the product container. The product label includes only a recycling option.
5. Under the "Environmental Hazards" section, change "National Pollution Discharge Elimination System" to read "National Pollutant Discharge Elimination System."
6. Under the "Environmental Hazards" section, change "state water board or regional Office of the EPA."
7. Under the "Pesticide Storage" section, add instructions that specify what to do if the product leaks or spills from its container.
8. Under the "Blending and Formulating Instructions" section, change "various stages or their manufacturing process" to read "various stages of their manufacturing process."
9. Submit three (3) copies of the final printed label prior to releasing this product for sale.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec.6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,



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

Enclosure: (Stamped Labeling)

3 7 6

(Front Panel Label)

# IONPURE ZAF MS

## Silver-Glass

IONPURE ZAF MS 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 MS 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 MS.

Not for use in food grade paper, paperboard product, paper coatings, and adhesives.

### ACTIVE INGREDIENT:

Silver\* as elemental: .....0.9%

OTHER INGREDIENTS: .....99.1%

Total .....100.0%

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

ACCEPTED  
with COMMENTS  
to EPA Label Draft

AUG 20 2008

Under the Federal Insecticide, Fungicide, and Plant Growth Regulator Act as amended, for the pesticide, registered under EPA Reg. No.

73148-7

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

FIRST AID	
If swallowed	<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>
If on skin or clothing	<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>
If in eyes	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water 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>
HOT LINE NUMBER	
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.	

Net Contents: 22 lbs/10Kg, 33 lbs/15Kg or 44 lbs/20Kg

ISHIZUKA GLASS CO., LTD.  
1880, Kawai-cho, Iwakura-city  
Aichi-ken, 482-8510, Japan  
Tel (81)-587-37-3251

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

4 7 6

(Front Panel Label) - continued

**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 Pollution 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.

**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.

**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. Clean container promptly after emptying. Offer for recycling, if available.

ACCEPTED  
with COMMENTS  
in EPA Letter dated:

AUG 20 2008

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
water and under CAA Sec. 109

73148-7

(Back Panel)

**IONPURE ZAF MS****Silver-Glass****DIRECTIONS FOR USE**

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

**BLENDING AND FORMULATING INSTRUCTIONS FOR THE LISTED MATERIALS**

IONPURE ZAF MS 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 MS 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. For example, for a maximum concentration of 1.5%, use 1.5 lbs. of IONPURE ZAF MS in 100 lbs. of material being treated.

	<b>APPLICATION</b>	<b>MC</b>
<b>Plastic and Films</b>	non food use only and no water pipes polyethylene, polypropylene, polyvinyl chloride, polyacetate, and polyester	2.0%
<b>Paint</b>	water based and solvent based – interior only	2.0%
<b>Paper coating</b>	non food packaging paper, no food contact, not for paper production use	2.0%
<b>Adhesive</b>	non food contact: plywood adhesives	3.0%
<b>Fibers</b>	Polyester, Nylon, Polypropylene, Acrylic and Rayon	3.0%
<b>Textile Finishing</b>		2.0%

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

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

AUG 20 2008

Under the Federal Insecticide  
Fungicide, and Rodenticide Act as  
amended for the use of this  
registered under EPA Reg. No.

73148-7

(Supplemental Labeling)

# IONPURE ZAF MS

## Silver-Glass

**Claims:** IONPURE ZAF MS 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 and films</b>	<i>Use:</i> non food use only, no food contact and no water pipes <i>Polymers:</i> 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. <i>Products:</i> gloves, shower curtains, cable wraps, protective covers, foam containers, brush handles, sponges, insulators, gaskets, tubings, containers, films, furniture etc.
<b>Paint</b>	<i>Use:</i> interior paints <i>Type:</i> water based and solvent based paint
<b>Paper coating</b>	<i>Use:</i> non food packaging paper, no food contact, not for paper production use <i>Type:</i> cellulosic, synthetic, specialty, reinforced papers etc. <i>Products:</i> wall paper, wiping towels, book covers, corrugated paper filters etc.
<b>Adhesive</b>	<i>Use:</i> not for adhesives for paper or containers that will come in contact with food <i>Products:</i> adhesives for plywood manufacture, adhesive for cement tile and sealants etc.
<b>Fibers</b>	<i>Polymers:</i> polyester, polypropylene, nylon, polyethylene, acrylic, rayon etc. <i>Products for home furnishings:</i> 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. <i>Products for apparel:</i> interlinings, industrial uniforms, coats and aprons, sportswear, sleepwear, stockings, socks, helmets, caps, gloves, etc. <i>Products for industrial:</i> brush bristles, shoe linings, artificial leather, filters, book covers, sail cloth, ropes etc.
<b>Textile Finishing</b>	<i>Products:</i> various surface resin coating textiles

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