

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 10 1991

National Chemical Laboratories of PA. Inc.  
401 N. 10th Street  
Philadelphia, PA 19123

Attn: A. Pollack

SEP 10 1991

Subject: Ionox Disinfectant Cleaner  
EPA Registration No. 2296-93  
Your Submission Dated April 17, 1991

Dear Mr. Sielaty:

This is in response to your product label revised in response to the Agency letter dated December 21, 1990.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments below. A stamped copy is enclosed for your records.

Revise the last statement before the heading "Directions for Use" to read, "This product is tuberculocidal when used on pre-cleaned, hard, non-porous surfaces at a dilution of 6 ounces to 5 gallons of water (providing 150 ppm titratable iodine) for a contact time of 10 minutes at 20°C."

Submit five copies of the finished labeling before you release the product for shipment.

If you have any questions, you may call Wallace Powell at (703) 557-6938.

Sincerely,



Ruth G. Douglas  
Acting Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (H-7504C)

Enclosure

CONCURRENCES

SYMBOL								
SURNAME	.....	.....	.....	.....	.....	.....	.....	.....
DATE	.....	.....	.....	.....	.....	.....	.....	.....

with COMMENTS  
to EPA Letter Dated:

SEP 10 1991

NET CONT.: 1 GAL

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
2296-93

# ionox

## DISINFECTANT CLEANER

**ACTIVE INGREDIENT:**

IODINE \* ..... 1.75  
INERT INGREDIENTS: ..... 98.25  
TOTAL INGREDIENTS: ..... 100.00%

EPA REG. NO. 2296-93  
EPA EST. NO. 2296-PA-1

\*From alpha-(p-Nonylphenyl)-omega-Hydroxypoly(oxyethylene)-Iodine complex

**KEEP OUT OF REACH OF CHILDREN  
DANGER**  
SEE BACK PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS

**STATEMENT OF PRACTICAL TREATMENT**  
In case of contact, immediately flush eyes or skin with plenty of water  
for at least 15 minutes. For eyes, call a physician. Remove and wash  
all contaminated clothing before reuse. If swallowed, drink promptly  
a large quantity of water, do not induce vomiting, avoid alcohol.  
Get Medical Attention.

Mfg. by

### National Chemical Laboratories

401 North 10th Street  
PHILADELPHIA, PA 19123

of PA, Inc.

Recommended for cleaning, disinfecting and sanitizing in hospitals,  
institutions, food plants and commercial buildings. A fresh solution  
should be prepared daily or more often if the solution becomes diluted or  
soiled. This product can be used in hard water with up to 400 ppm CaCO<sub>3</sub>  
and cold water as low as 41° F (5° C). This product is tuberculocidal when  
used on pre-cleaned, hard, non-porous surfaces for a contact time of 10  
minutes at 20° C.

Food Plant Sanitization: Sanitize previously cleaned and rinsed hard non  
porous surfaces such as glass, metal, plastic, and porcelain. Use 1 ounce of  
disinfectant to 5 gallons of water. Spray or immerse equipment with sanitizing  
solution and allow 1 minute contact time. Allow to drain and air dry but do not  
rinse. When used at this dilution (1:640) food processing equipment does not  
require a final rinse with potable water in accordance with federal food additive  
regulation 178.1010.

### DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A  
MANNER INCONSISTENT WITH ITS LABELING

**For General Cleaning and Disinfecting in One operation:** Use 3 ounces of  
disinfectant cleaner to 5 gallons of water (provides 75 ppm available iodine).  
**For Cleaning and Disinfecting in Hospitals:** Use 6 ounces of disinfectant  
cleaner to 5 gallons of water (provides 150 ppm available iodine).

**For Sanitizing Previously Cleaned Food Contact Surfaces:** Use 1 ounce  
disinfectant cleaner to 5 gallons of water (provides 25 ppm available iodine)

**Hospitals:** Dilute 6 ounces of disinfectant cleaner in 5 gallons of water for use  
in operating areas, patient rooms, floors, walls, counter tops, rest rooms,  
shower areas, refuse containers, bed frames, morgues. Laboratories, cante-  
ries, commercial freezers, bathroom fixtures, (stainless steel, chrome, porce-  
lain and other non porous surfaces). Remove gross filth or heavy soil prior to  
use of the disinfecting solution. Thoroughly wet surfaces and then scrub with  
a mop, sponge, brush, etc.. Allow 10 minutes contact time and drain dry without  
rinsing.

**Medical / Surgical Instruments:** Before applying disinfecting solution thor-  
oughly clean interior and exterior surfaces of thermometers, scalpels, tubing,  
catheters and other instruments. Completely immerse small objects and  
instruments in the disinfecting solution. Flush and fill tubing, catheters and the  
lumens of hollow instruments with the disinfecting solution. Allow at least 10  
minutes of contact time then drain dry without rinsing.

**Commercial Buildings, Institutions and General Housekeeping:** Dilute 3  
ounces of disinfectant in 5 gallons of water for use in cleaning and disinfecting  
walls, floors, lavatories, shower rooms, refuse containers, kitchen areas and  
lunch rooms. Allow 10 minutes contact time. Rinse all food handling equipment  
with potable water prior to use.

### PRECAUTIONARY STATEMENTS

Hazard to humans and domestic animals  
**DANGER**

Keep Out Of Reach Of Children. Corrosive. Causes severe eye and skin  
damage. Do not get in eyes, skin, or on clothing. Harmful if swallowed. Wear  
goggles or face shield and rubber gloves when handling. Avoid contamination  
of food. Remove and wash contaminated clothing.

#### NOTE TO PHYSICIAN

Probable mucosal danger may contraindicate the use of gastric lavage.

### STORAGE AND DISPOSAL

Do not Contaminate Water, Food Or Feed By Storage Or Disposal.

**Storage:** Store in a dry place between 50°F and 120°F.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper dis-  
posal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law.  
If these wastes cannot be disposed of according to label instructions contact  
your State Pesticide or Environmental Control Agency or the Hazardous Waste  
representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** Do not reuse empty container. Triple rinse empty  
container with water. Rinse metal drum, then offer for reconditioning or  
puncture and dispose of in a sanitary landfill, or by other procedures approved  
by State or Local authorities. Plastic containers may be disposed of in a sanitary  
landfill, incinerated or, if allowed by local authorities, by burning. If burned, stay  
out of smoke.

INX-0225

**BEST AVAILABLE COPY**