



H&S Chemicals Division

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
47371-30  
MAY 1 1984

# M-2205

## 20% Iodine Concentrate

EPA REG. NO. 47371-30

M-2205 is designed for formulation of sanitizers and disinfectants for use in federally inspected meat and poultry processing plants, restaurants and bars, dairy, swine and poultry farms, and veterinary clinics.

### I CHEMICAL AND PHYSICAL PROPERTIES

- A Appearance: A dark reddish brown viscous liquid
- B Odor: Mild pleasantly clean, halogen odor
- C Specific Gravity: 1.438
- D Density: 11.99 lbs./gal
- E Activity: 20% titratable iodine
- F pH Concentrate: 1.5 - 2.5

### II TOXICITY TEST RESULTS

- A EYE IRRITATION: EXTREME EYE IRRITATION
- B PRIMARY SKIN IRRITATION: MODERATE SKIN IRRITANT
- C ACUTE DERMAL LD<sub>50</sub>: 4.0 ML/KG
- D ACUTE ORAL LD<sub>50</sub>: 2.0 ML/KG

III EFFECTIVE AGAINST STAPHYLOCOCCUS AUREUS & SALMONELLA TYPHI according to the A.O.A.C. Available Chlorine Equivalency Test

### Conversion of M-2205 20% Iodine Concentrate to M-2205 Sanitizer-Cleaner

INGREDIENTS	Percent by Weight
M-2205 20% Iodine Concentrate	9.50
Alpha-(p-nonylphenyl)-omega-hydroxypoly-(oxyethylene) or Nonylphenoxy poly (ethyleneoxy) ethanol	16.67
Polyethoxypolypropoxy polyethoxy ethanol or Hydrophilic poly (oxyethylene) hydrophobic poly (oxypropylene)	2.61
Phosphoric acid (75%)	6.25
Deionized water	64.97
TOTAL	100.00

M-2205 Sanitizer-Cleaner at a 1:704 dilution is effective as a sanitizer according to the A.O.A.C. Available Chlorine Equivalency Test against Staphylococcus aureus and Salmonella typhi

M-2205 Sanitizer-Cleaner is authorized by FDA as a sanitizer for use on food contact surfaces according to 21 CFR Section 178.1010(b)(5) and (b)(4)

M-2205 Sanitizer-Cleaner is authorized by USDA as a sanitizer for all surfaces not requiring a rinse.

M-2205 Sanitizer-Cleaner is registered with the Environmental Protection Agency

BEST DOCUMENT AVAILABLE

MAY 21 1984

BEST DOCUMENT AVAILABLE

H & S Chemicals Division  
970 East Tipton Street  
Huntington, IN 46750

Attention: Richard D. Sheets

Gentlemen:

Subject: H-2295 20% Iodine Concentrate  
EPA Registration No. 47371-30  
Your Application for Amended Labeling Dated  
January 10, 1983 and Resubmissions of September 28, 1983  
and February 27, 1984

This amendment is being accepted as an administrative action in accordance with Section 162.9-1(b) of 40 CFR, for which no consideration of data is necessary.

Submit five copies of your finished printed labels as described in the A-79 enclosure. These labels must be submitted to the Agency before you release the product for shipment to comply with PR Notice 62-2 of June 16, 1982. Refer to Section 162.10 of Title 40 of the Code of Federal Regulations for general labeling requirements. Failure to comply with these requirements may result in rejection of your label.

A draft copy of the draft label is enclosed for your records. Your release of the product for shipment constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with Section 6 (c) of the FIFRA.

Sincerely yours,

/s/

A. J. Castano  
Product Manager (32)  
Disinfectants Branch  
Registration Division (48-767C)

ENCLOSURE

RD:DIS:DCR-04692:W.C.Francis:cm:RAVEN:557-2226:RD-22:5/17/84:Del.6/3/84

EPA

OFFICIAL FILE COPY



Reg # 47371-30 PM-32

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

182  
MAY 21 1984

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

H & S Chemicals Division  
970 East Tipton Street  
Huntington, IN 46750

Attention: Richard D. Sheets

Gentlemen:

Subject: M-2205 20% Iodine Concentrate  
EPA Registration No. 47371-30  
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Submit five copies of your finished printed labels as described in the A-79 enclosure. These labels must be submitted to the Agency before you release the product for shipment to comply with PR Notice 82-2 of June 18, 1982. Refer to Section 162.10 of Title 40 of the Code of Federal Regulations for general labeling requirements. Failure to comply with these requirements may result in rejection of your label.

A stamped copy of the draft label is enclosed for your records. Your release of the product for shipment constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with Section 6 (e) of the FIFRA.

Sincerely yours,

*A. E. Castillo*

A. E. Castillo  
Product Manager (32)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosure

# M-2205

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EPA REG. NO. 47371-30

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### III EFFECTIVE AGAINST STAPHYLOCOCCUS AUREUS & SALMONELLA TYPHI ACCORDING TO THE AOAC CHLORINE EQUIVALENCY TEST

Conversion of M-2205 20% Iodine Concentrate to  
M-2205 Sanitizer-Cleaner

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