

# KRAFTOCIDE

Your first defense in the war against germs.

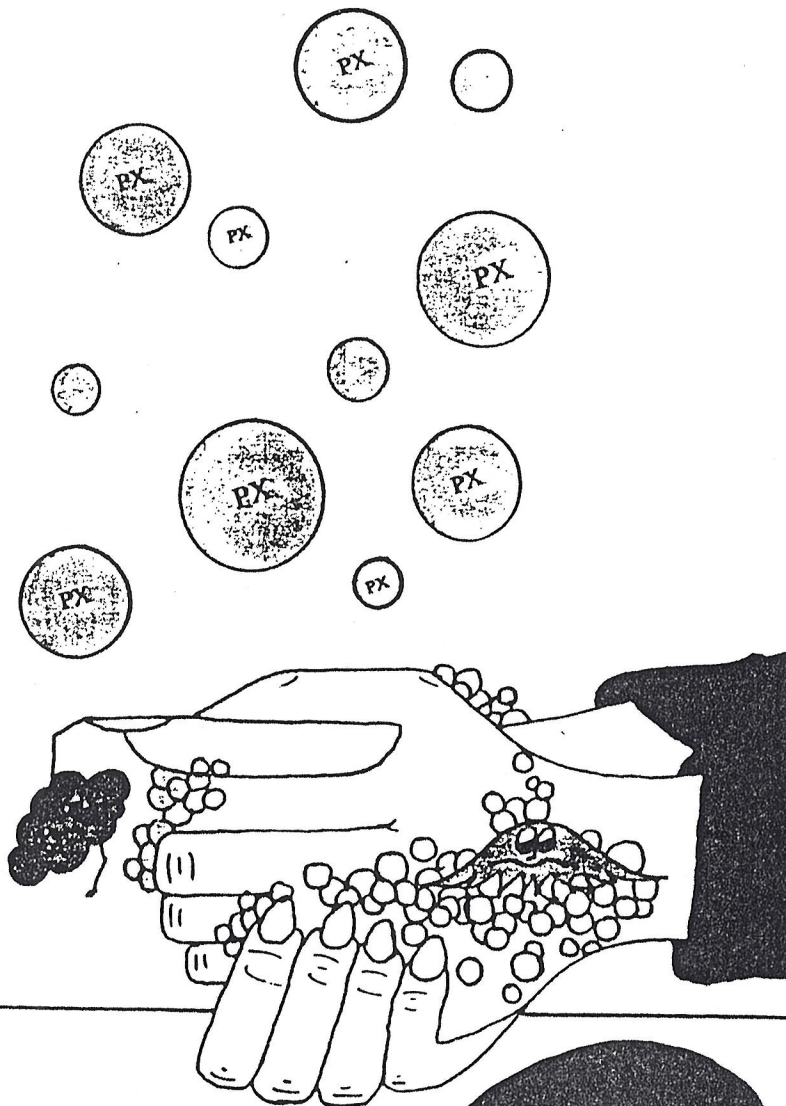
To receive a sample, literature, or antiseptic  
handsoap formulations containing **PX**  
please contact our Technical Service Department

REPRESENTED BY

**Kraft Chemical Company**



1975 North Hawthorne Avenue  
Melrose Park, Illinois 60160  
1 (708) 345-5200 - Phone  
1 (708) 345-4005 - Fax



## THE ANTISEPTIC PRESERVATIVE YOUR PRODUCTS NEED . . .

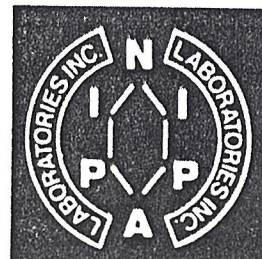
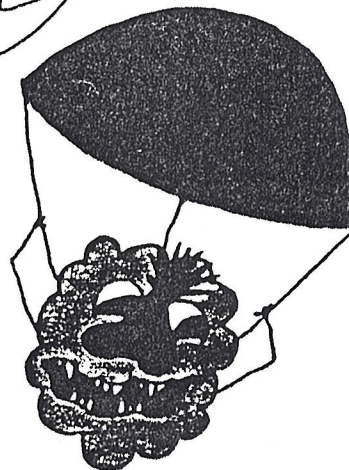
NIPACIDE PX serves as an effective antimicrobial and preservative with low animal toxicity.

Personal care uses include soaps, sanitizers, medicated powders, shampoos and cosmetics.

Industrial uses are as a preservative and fungicide in paints, textiles, adhesives and paper products.

FDA approved for incidental food contact.

NIPACIDE PX (Chloroxylenol, USP)



# PROFESSIONAL CARE ANTIMICROBIAL HANDSOAP - I

**Description:** Mild antimicrobial soap with broad spectrum activity ideal for health care professionals.

%	
7.0	Alpha Olefin Sulfonate
3.0	Hexylene glycol
3.0	Nipacide PX
5.0	Cocoamidopropyl betaine
82.0	Water

**Procedure:** Dissolve Nipacide PX in Hexylene glycol. Mix Alpha Olefin Sulfonate, and Cocoamide propyl betaine and add to chloroxylenol mixture. Add water and adjust pH to 5.6-5.8.

## Chlorine Equivalency Subculture Results Professional Care Handsoap

<u>Sample</u>	<u>Organism</u>	<u>Subculture Series</u>
NaOCl - 200 ppm	S.aureus	- - - - + + + + + +
NaOCl - 100 ppm	S.aureus	- - - + + + + + + +
NaOCl - 50 ppm	S.aureus	- - - + + + + + + +
Professional Care Handsoap	S.aureus	- - - - - - - - - -

## Phenol Resistance of Staphylococcus aureus ATCC #6538; 24 Hour Broth Culture:

<u>Phenol Dilution</u>	<u>5 Min.</u>	<u>10 Min.</u>	<u>15 Min.</u>
1:60	-	-	-
1:70	+	+	+

<u>Sample</u>	<u>Organism</u>	<u>Subculture Series</u>
NaOCl - 200 ppm	S.typhi	- - - - + + + + + +
NaOCl - 100 ppm	S.typhi	- - + + + + + + + +
NaOCl - 50 ppm	S.typhi	- - + + + + + + + +
Professional Care Handsoap	S.typhi	- - - - - - - - - -

Phenol Resistance of Salmonella typhi  
ATCC #6539 24 Hour Broth Culture:

<u>Phenol Dilution</u>	<u>5 Min.</u>	<u>10 Min.</u>	<u>15 Min.</u>
1:90	+	-	-
1:100	+	+	-

% Reduction of Time Kill Organisms  
With Professional Care Antiseptic Handsoap I

<u>Sample</u>	<u>Organism</u>	<u>Starting Count (CFU/ml)</u>	<u>% Reduction of Test Organism After Exposure to Handsoap for 30 Seconds.</u>
Professional Care	S.aureus	$2.5 \times 10^6$	> 99.99
	P.aeruginosa	$2.6 \times 10^6$	> 99.99
	S.typhi	$1.9 \times 10^6$	> 99.99

## E-2 HAND SANITIZING SOAP - I

**Description:** Meets criteria for efficacy as an E-2 hand sanitizing soap authorized for use in federally inspected meat and poultry plants.

<u>%</u>	
22.0	Sodium Lauryl Sulfate
3.5	Triethylene glycol
3.0	Nipacide PX
1.0	Cocoamidopropyl betaine
70.5	H <sub>2</sub> O

**Procedure:** Place Sodium Lauryl Sulfate, triethylene glycol and cocoamidopropyl Betaine in a container and heat to 65 C while stirring. Dissolve chloroxylenol in heated mixture and add water. Add citrate buffer solution to adjust pH to 5.6-5.8.

### Chlorine Equivalency Subculture Results on Antiseptic Handsoap E-2

<u>Sample</u>	<u>Organism</u>	<u>Subculture Series</u>
NaOCl - 200 ppm	S.aureus	- - - - - - - - +
NaOCl - 100 ppm	S.aureus	- - - + + + + + +
NaOCl - 50 ppm	S.aureus	- - - - + + + + +
E-2	S.aureus	- - - - - - - - -

### Phenol Resistance of Staphylococcus aureus ATCC #6538; 24 Hour Broth Culture:

<u>Phenol Dilution</u>	<u>5 Min.</u>	<u>10 Min.</u>	<u>15 Min.</u>
1:60	-	-	-
1:70	+	+	+



% Reduction of Time Kill Organisms  
with Antiseptic E2 Handwash

<u>Sample</u>	<u>Organism</u>	<u>Starting Count (CFU/ml)</u>	<u>% Reduction of Test Organisms After Exposure to Handsoap for 30 Seconds</u>
E-2	S.aureus	$3.8 \times 10^6$	> 99.99
	P.aeruginosa	$3.4 \times 10^6$	> 99.99
	S.typhi	$4.2 \times 10^6$	> 99.99

REPRESENTED BY  
**Kraft Chemical Company**



1975 North Hawthorne Avenue  
 Melrose Park, Illinois 60160  
 1 (708) 345-5200 - Phone  
 1 (708) 345-4005 - Fax

### HEALTH CARE PERSONNEL HANDWASH

**Description:** Mild liquid handsoap used in health care applications.

<u>%</u>	
8.0	Tripropylene glycol
3.0	Nipacide PX
20.0	TEA lauryl sulfate
3.0	Alkyl dimethylamine oxide 30%
65.0	H <sub>2</sub> O
1.0	Salt to thicken

**Procedure:** Heat tripropylene glycol, TEA lauryl sulfate and alkyl Dimethylamine oxide 30%. Dissolve PCMX in heated mixture. Add water and salt to thicken. Add pH to 7.0-7.4.

### Chlorine Equivalency Subculture Results on Health Care Handwash

<u>Sample</u>	<u>Organism</u>	<u>Subculture Series</u>
NaOCl - 200 ppm	S.aureus	- - - - - - - - + +
NaOCl - 100 ppm	S.aureus	- - - + + + + + + +
NaOCl - 50 ppm	S.aureus	- - - - + + + + + +
Health Care Handwash	S.aureus	- - - - - - - - - -

### Phenol Resistance of Staphylococcus aureus STCC #6538; 24 Hour Broth Culture:

<u>Phenol Dilution</u>	<u>5 Min.</u>	<u>10 Min.</u>	<u>15 Min.</u>
1:60	-	-	-
1:70	+	+	+

% Reduction of Time Kill Organisms  
with Health Care Handwash

<u>Sample</u>	<u>Organism</u>	<u>Starting Count (CFU/ml)</u>	<u>% Reduction of Test Organisms After Exposure to Handsoap for 30 Seconds</u>
Health Care Handwash	S.aureus	$3.8 \times 10^6$	> 99.99
	P.aeruginosa	$3.4 \times 10^6$	> 99.99
	S.typhi	$4.2 \times 10^6$	> 99.99

REPRESENTED BY  
**Kraft Chemical Company**



1975 North Hawthorne Avenue  
Melrose Park, Illinois 60160  
1 (708) 345-5200 - Phone  
1 (708) 345-4005 - Fax

REPRESENTED BY  
**Kraft Chemical Company**



1975 North Hawthorne Avenue  
 Melrose Park, Illinois 60160  
 1 (708) 345-5200 - Phone  
 1 (708) 345-4005 - Fax

**SURGICAL SCRUB HANDSOAP I**

**Description:** Effective antimicrobial scrub for health care professional use.

<u>%</u>	
8.0	Trippropylene glycol
3.0	Nipacide PX
20.0	Sodium lauryl sulfate
1.0	Alkyl dimethylamine oxide 30%
1.0	Cocamide DEA
65.0	H <sub>2</sub> O
2.0	Salt to thicken

**Procedure:** Heat Trippropylene Glycol, Sodium Lauryl Sulfate, Cocamide DEA and Alkyl dimethylamine oxide. Dissolve chloroxylenol in heated mixture, once dissolved add water and salt to thicken. Adjust pH to 5.0-5.2.

Chlorine Equivalency Subculture Results  
on Surgical Scrub Handsoap I

<u>Sample</u>	<u>Organism</u>	<u>Subculture Series</u>
NaOCl - 200 ppm	S.aureus	- - - - + + + + + +
NaOCl - 100 ppm	S.aureus	- - + + + + + + + +
NaOCl - 50 ppm	S.aureus	- - + + + + + + + +
Surgical Scrub	S.aureus	- - - - - - - - - -

Phenol Resistance of Staphylococcus aureus  
ATCC #6538; 24 Hour Broth Culture:

<u>Phenol Dilution</u>	<u>5 Min.</u>	<u>10 Min.</u>	<u>15 Min.</u>
1:60	-	-	-
1:70	+	+	+

<u>Sample</u>	<u>Organism</u>	<u>Subculture Series</u>
NaOCl - 200 ppm	S.typhi	- - - - + + + + + +
NaOCl - 100 ppm	S.typhi	- - + + + + + + + +
NaOCl - 50 ppm	S.typhi	- - + + + + + + + +
Surgical Scrub	S.typhi	- - - - - - - - - -

Phenol Resistance of *Salmonella typhi*  
ATCC #6539; 24 Hour Broth Culture:

<u>Phenol Dilution</u>	<u>5 Min.</u>	<u>10 Min.</u>	<u>15 Min.</u>
1:90	+	-	-
1:100	+	+	-

% Reduction of Time Kill Organisms  
with Surgical Scrub Handsoap I

<u>Sample</u>	<u>Organism</u>	<u>Starting Count (CFU/ml)</u>	<u>% Reduction of Test Organism After Exposure to Handsoap for 30 Seconds</u>
Surgical Scrub	S.aureus	$2.5 \times 10^6$	> 99.99
	P.aeruginosa	$2.6 \times 10^6$	> 99.99
	S.typhi	$1.9 \times 10^6$	> 99.99

REPRESENTED BY  
**Kraft Chemical Company**



1975 North Hawthorne Avenue  
Melrose Park, Illinois 60160  
1 (708) 345-5200 - Phone  
1 (708) 345-4005 - Fax