NIPACIDE PX . . .

Your first defense in the war against germs.

Richard

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

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Kraft Chemical Company

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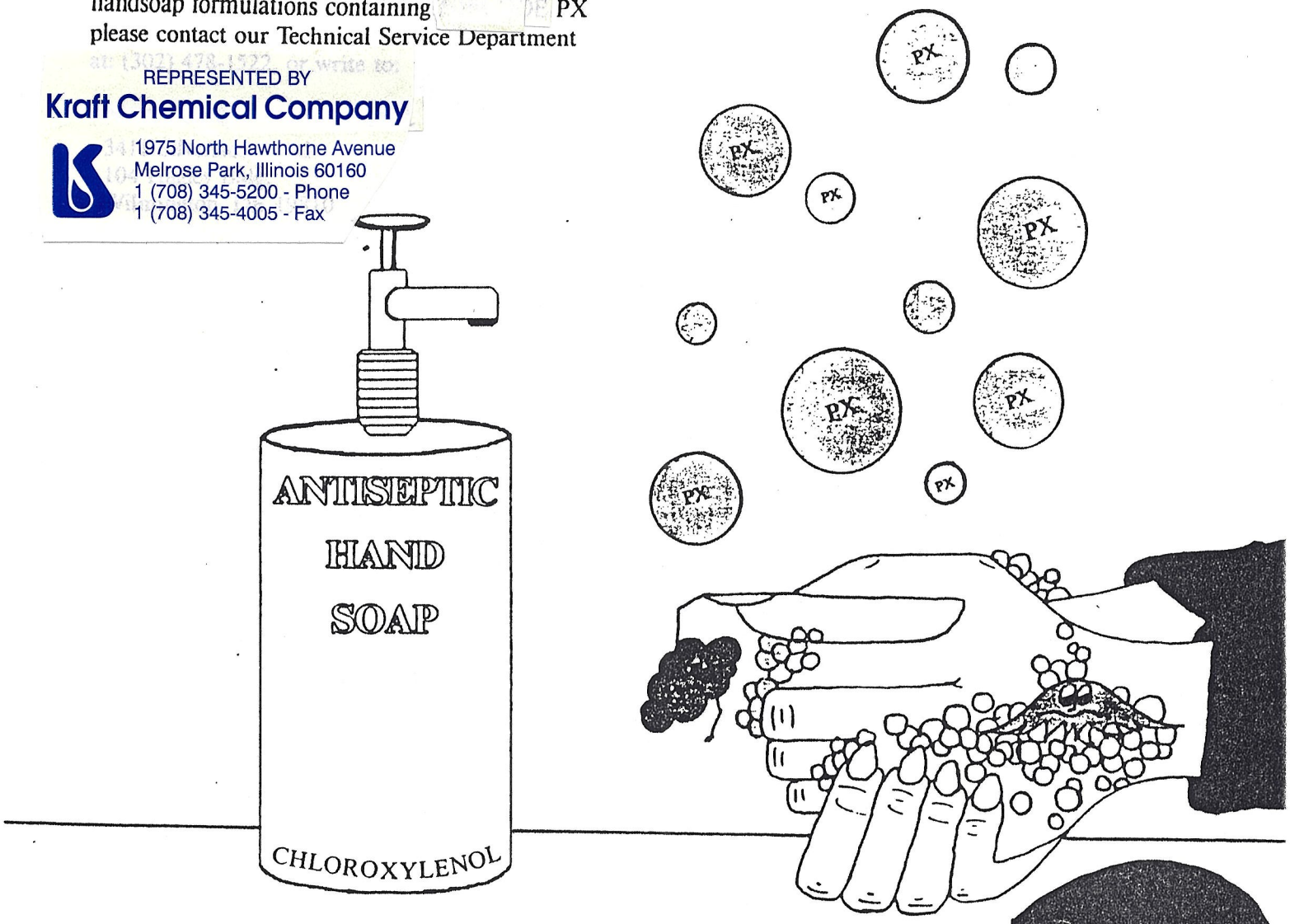

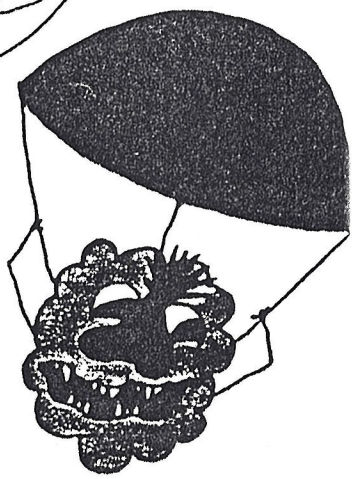

THE ANTISEPTIC PRESERVATIVE YOUR PRODUCTS NEED . . .

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)

NIPA LABORATORIES INC.

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

Sample	Organism	Subculture Series
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:

Phenol Dilution	5 Min.	10 Min.	15 Min.
1:60	-	-	-
1:70	+	+	+

Sample	Organism	Subculture Series
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:

Phenol Dilution	5 Min.	10 Min.	15 Min.
1:90	+	-	-
1:100	+	+	-

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

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

%	
22.0	Sodium Lauryl Sulfate
3.5	Triethylene glycol
3.0	Nipacide PX
1.0	Cocoamidopropyl betaine
70.5	H_2O

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

Sample	Organism	Subculture Series
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:

Phenol Dilution	5 Min.	10 Min.	15 Min.
1:60	-	-	-
1:70	+	+	+

% Reduction of Time Kill Organisms with Antiseptic E2 Handwash

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

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HEALTH CARE PERSONNEL HANDWASH

Description: Mild liquid handsoap used in health care applications.

%	
8.0	Tripropylene glycol
3.0	Nipacide PX
20.0	TEA lauryl sulfate
3.0	Alkyl dimethylamine oxide 30%
65.0	H_2O
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

Sample	Organism	Subculture Series
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:

Phenol Dilution	5 Min.	10 Min.	15 Min.
1:60	-	-	-
1:70	+	+	+

% Reduction of Time Kill Organisms with Health Care Handwash

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

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SURGICAL SCRUB HANDSOAP I

Description: Effective antimicrobial scrub for health care professional use.

%	
8.0	Tripropylene glycol
3.0	Nipacide PX
20.0	Sodium lauryl sulfate
1.0	Alkyl dimethylamine oxide 30%
1.0	Cocamide DEA
65.0	H_2O
2.0	Salt to thicken

Procedure: Heat Tripropylene 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

Sample	Organism	Subculture Series
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:

Phenol Dilution	5 Min.	10 Min.	15 Min.
1:60	-	-	-
1:70	+	+	+

Sample	Organism	Subculture Series
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:

Phenol Dilution	5 Min.	10 Min.	15 Min.
1:90	+	–	–
1:100	+	+	–

% Reduction of Time Kill Organisms with Surgical Scrub Handsoap I

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

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