

Antibacterial Hand Wash

Contains REACT-NTI products (highlighted in red)

Formulary

Ingredients	% Wt.
<i>Phase A</i>	
Deionized water	55.45
Protachem surfactant concentrate (Protameen)	35.00
EnviroSolve Silver or Gold (React-NTI)	2.00
Protalan L-75 (Protameen)	0.50
Vitamin E acetate (Protameen)	0.10
Protamate 6000 DS (Protameen)	0.75
Trisodium EDTA (Protameen)	0.05
Methyl paraben (Protameen)	0.15
Propyl paraben (Protameen)	0.10
<i>Phase B</i>	
Propylene glycol	5.00
Triclosan (Protameen)	0.40
<i>Phase C</i>	
Protacide DMDMH (Protameen)	0.30
Fragrance	0.20
Sodium hydroxide (25% sol.)	q.s.
FD&C Yellow #6 (1.0% sol.)	q.s.
D&C Red #33 (1.0% sol.)	q.s.
<i>Procedure</i>	
1.	Combine Phase A with propeller mixing.
2.	Heat to 70-75°C. Mix until clear.
3.	Pre-mix Phase B and add to Phase A.
4.	Mix at 70-75°C until clear.
5.	Cool the batch to 35-40°C and add Phase C items, mixing between additions until clear.
6.	Adjust pH to 6.5-6.8 with sodium hydroxide.
7.	Add color and continue cooling until 25°C.



REACT-NTI, LLC

6680 North Highway 49, Lino Lakes, MN 55014

Phone: (651) 217-2138 Fax: (651) 784-2902

www.react-nti.com

Note: The statements made herein are based on our research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made, however, and the products discussed are sold without warranty, expressed or implied, including warranty of merchantability and fitness for use of this material, and upon condition that purchasers shall make their own tests to determine the suitability of such products for the particular purposes. The user assumes all risk of use or handling, whether or not in accordance with any statements of the supplier. Supplier's liability, if any, for any action arising out of the material being supplied shall be limited to replacement of material. Statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent.