

<b>INTRODUCTION .....</b>	<b>5</b>
<b>GENERAL NOTES ON MAKING PRODUCTS .....</b>	<b>6</b>
ANTI-OXIDANTS & PRESERVATIVES .....	8
CHOOSING PRESERVATIVES.....	9
PRESERVATIVE COMPARISON CHART .....	9
QUICK NOTE ON ELECTRICAL CHARGES .....	10
<b>TESTING &amp; ADJUSTING pH.....</b>	<b>12</b>
GENERAL OVERVIEW OF TESTING, pH STRIPS, AND pH METERS.....	13
TESTING pH .....	13
ADJUSTING pH .....	18
<b>THE CHEMISTRY OF OUR HAIR .....</b>	<b>19</b>
<b>WHAT ARE CONDITIONERS?.....</b>	<b>22</b>
CATIONIC QUATERNARY COMPOUNDS.....	23
OTHER CATIONIC COMPOUNDS.....	24
POLYQUATERNIUMS OR CATIONIC POLYMERS .....	25
A QUICK ASIDE ON CREATING VOLUMIZING PRODUCTS .....	27
AN ASIDE ON COMBINING CHARGES.....	27
<b>LET'S MEET THE CONDITIONERS!.....</b>	<b>30</b>
AMINOSENSYL™ HC (INCI: Brassica alcohol and Brassicyl Valinate Esylate) .....	30
AMINOSENSYL™ SC (INCI: Brassica alcohol (and) Brassica Valinate Esylate (and) Brassica Glycerides) .....	31
CATIONIC GUAR (INCI: Guar hydroxypropyltrimonium chloride) .....	33
CETRIMONIUM BROMIDE .....	34
CETRIMONIUM CHLORIDE .....	36
CRODAZOQUAT MCC (INCI: Behentrimonium Methosulfate (and) Quaternium-87 (and) Cetearyl Alcohol).....	37
EMULSENSE HC (INCI: Brassicyl Isoleucinate Esylate (and) Brassica Alcohol) .....	39
HONEYQUAT (INCI: Hydroxypropyltrimonium Honey) .....	42
INCROQUAT BTMS-50 (INCI: Behentrimonium methosulfate (and) cetyl alcohol (and) butylene glycol) .....	43
INCROQUAT BTMS-25 OR RITA BTMS-225 (Behentrimonium Methosulfate (and) Cetearyl Alcohol) .....	44

INCROQUAT CR (INCI: Cetearyl Alcohol (and) PEG-40 Castor Oil (and) Stearalkonium Chloride) .....	45
JEEQUAT® NDCS (aka ICE Conditioner) INCI: Cetyl alcohol, behentrimonium chloride, cocamidopropyl betaine, sorbitan laurate.....	47
JEESPERSE® ICE-T CPCS (AKA ICE HAIR RESTORE) INCI: Cetearyl alcohol (and) behentrimonium chloride (and) polyquaternium 37 .....	50
JEESPERSE® ICE-T CIS-2 (INCI: PEG-150 distearate (and) Cetearyl Alcohol (and) polyquaternium 37) .....	53
POLY SUGA QUAT L-1010 P (Polyquaternium 37) .....	57
POLYQUATERNIUM 4, 10 & 44.....	58
POLYQUATERNIUM 7 .....	59
QUATERNIUM 31 (INCI: Dicetyldimonium chloride and isopropyl alcohol) .....	60
QUATERNIZED LEMON SHINE (INCI: Hydroxypropyltrimonium Lemon Protein) .....	61
RHEOSOL CVH(E) (INCI: Polyquaternium 37 and Propylene Glycol Dicaprylate/ Dicaprate and PPG-1 Trideceth 6) .....	62
STEARAMIDOPROPYL DIMETHYLAMINE.....	65
STEPANQUAT® HELIA ((INCI: Disunfloweroylethyl Dimonium Chloride (and) Sunflower Seed Oil Glycerides (and) Lauryl Lactyl Lactate) .....	67
STEPANQUAT GA-90 (INCI: Dipalmitoylethyl Hydroxyethylmonium Methosulfate) .....	69
VARISOFT EQ 65 (INCI: Distearoylethyl dimonium chloride (and) cetearyl alcohol) ...	70
<b>A FEW THINGS TO THINK ABOUT WHEN SUBSTITUTING CONDITIONERS ....</b>	<b>74</b>
THINGS TO CONSIDER WITH NEW CONDITIONERS .....	74
<b>CREATING CONDITIONERS WITH INCROQUAT BTMS-50.....</b>	<b>76</b>
SAMPLE CONDITIONER FORMULA WITH INCROQUAT BTMS-50 .....	76
INSTRUCTIONS FOR MAKING A BASIC INCROQUAT BTMS-50 CONDITIONER (STANDARD FORMULA OR SILICONE FORMULA) .....	77
INSTRUCTIONS FOR MAKING A BASIC INCROQUAT BTMS-50 CONDITIONER (OIL FORMULA) .....	77
CREATING A THINNER CONDITIONER.....	78
STANDARD THINNER CONDITIONER FORMULA .....	78
MODIFYING THESE FORMULAS TO USE CRODAZOQUAT MCC .....	78
MODIFYING THESE FORMULAS TO USE COLD PROCESS CONDITIONERS .....	78
USING RITA BTMS-225 OR A CONDITIONING EMULSIFIER WITH 25% BEHENTRIMONIUM METHOSULFATE OR CRODAZOQUAT MCC .....	79
<b>CONCLUSION .....</b>	<b>80</b>

MY BLOG, POINT OF INTEREST.....	80
THANK YOU TO MY AMAZING SUBSCRIBERS.....	80
HOW TO CONTACT ME .....	80
SUPPLIERS' INFORMATION .....	80

Written by Susan Barclay Nichols, better known as SwiftCraftyMonkey, blogger and formulator for the blog Point of Interest (<http://swiftcraftymonkey.blog>).

© 2020 by Susan Barclay Nichols. All rights reserved. This e-zine or any portion thereof may not be reproduced in any form without the express written permission of the author, except as permitted by Canadian copyright law.

The products you make from formulas contained in this e-zine can be used by you for personal or commercial purposes, but please don't copy and paste the text or share this entire e-zine on sites like Scribd or forward to your friends who aren't subscribers to the blog. Have fun formulating!