

## FORMULATING FACIAL PRODUCTS

<b>INTRODUCTION</b>	<b>11</b>
<b>SKIN CHEMISTRY: AN OVERVIEW</b>	<b>12</b>
<b>SKIN CHEMISTRY: DESQUAMATION</b>	<b>15</b>
<b>SKIN CHEMISTRY: NATURAL MOISTURIZING FACTOR</b>	<b>15</b>
<b>SKIN CHEMISTRY: STRATUM CORNEUM LIPIDS</b>	<b>17</b>
<b>SKIN CHEMISTRY: TRANSEPIDERMAL WATER LOSS (TEWL)</b>	<b>18</b>
<b>SKIN CHEMISTRY: SEBUM</b>	<b>19</b>
<b>SKIN CHEMISTRY: pH OF OUR SKIN</b>	<b>21</b>
<b>SKIN CHEMISTRY: AQUAGLYCEROPORINS</b>	<b>24</b>
<b>SKIN CHEMISTRY: COMEDOGENICITY</b>	<b>25</b>
<b>SKIN CHEMISTRY: ACNEGENICITY, PUSTULOGENICITY, AND SENSITIVE SKIN</b>	<b>26</b>
<b>QUESTION: WHAT'S THE DIFFERENCE BETWEEN MOISTURIZING AND HYDRATING?</b>	<b>28</b>
<b>SKIN TYPES</b>	<b>30</b>
<i>SKIN TYPES: DRY SKIN</i>	30
DRY SKIN: IMPAIRED SKIN BARRIER	32
DRY SKIN: LOWER HYDRATION LEVELS	34
DRY SKIN: SOME SUGGESTED INGREDIENTS	35
<i>SKIN TYPES: OILY SKIN</i>	36
<i>SKIN TYPE: RESISTANT (R)</i>	36
<i>SKIN TYPE: SENSITIVE (S) SKIN</i>	37
ACNE TYPE	37
ROSACEA PRONE	39
STINGING TYPE	40
ALLERGIC TYPE	41
<i>SKIN TYPE: PIGMENTED (P) OR NON-PIGMENTED (N)</i>	42
<i>SKIN TYPE: WRINKLED (W) OR TIGHT (T)</i>	43
<i>WORKING WITH YOUR SKIN TYPE</i>	45
<b>AN ASIDE: WHAT DOES SPF MEAN?</b>	<b>46</b>
<b>SURFACTANTS!</b>	<b>47</b>
<i>INCORPORATING MILDNESS INTO SURFACTANT BASED PRODUCTS</i>	49
<b>THICKENERS FOR SURFACTANTS</b>	<b>51</b>
<i>CROTHIX</i>	51
<i>GLYCOL DISTEARATE</i>	52
<i>RITATHIX DOE</i>	52
<b>BOTANICAL EXTRACTS AND HYDROSOLS</b>	<b>54</b>
<i>WHAT IS AN EXTRACT?</i>	54
<i>HOW DO WE USE EXTRACTS IN OUR PRODUCTS?</i>	55

<i>ALLANTOIN</i>	56
<i>APPLE EXTRACT</i>	56
<i>BANANA EXTRACT</i>	58
<i>CHAMOMILE EXTRACT</i>	60
<i>CHRYSANTHEMUM OR FEVERFEW EXTRACT</i>	61
<i>COMFREY ROOT</i>	62
<i>CUCUMBER EXTRACT</i>	63
<i>GINSENG EXTRACT</i>	64
<i>GRAPSEED EXTRACT</i>	65
<i>GREEN TEA EXTRACT</i>	66
<i>HONEYSUCKLE EXTRACT</i>	70
<i>HORSETAIL EXTRACT</i>	72
<i>LIQUORICE EXTRACT</i>	73
<i>MARSHMALLOW EXTRACT</i>	74
<i>MALLOW EXTRACT</i>	75
<i>ORCHID EXTRACT</i>	75
<i>PAPAYA EXTRACT</i>	76
<i>PINEAPPLE EXTRACT</i>	77
<i>ROSEMARY EXTRACT</i>	79
<i>ST. JOHN'S WORT</i>	82
<i>STRAWBERRY EXTRACT</i>	83
<i>WHITE WILLOW BARK</i>	84
<i>WITCH HAZEL</i>	85
<i>ALOE VERA</i>	88
<b>HUMECTANTS</b>	<b>92</b>
<i>GLYCERIN</i>	92
<i>SODIUM LACTATE</i>	93
<i>SODIUM PCA (salt of pyrrolidone carboxylic acid)</i>	93
<i>HYDROVANCE</i>	94
<b>COSMECEUTICALS</b>	<b>95</b>
<i>THINGS TO CONSIDER WHEN CHOOSING COSMECEUTICALS</i>	96
<i>ALPHA HYDROXY ACIDS</i>	97
<i>BETA GLUCAN</i>	98
<i>COPPER PEPTIDE (GHK-Cu)</i>	99
<i>DMAE</i>	100
<i>FERULIC ACID</i>	101
<i>GABA</i>	102
<i>MSM</i>	103
<i>MATRIXYL 3000</i>	104
<i>Multifruit BSC (aka Fruit Acid Complex)</i>	105
<i>NIACINAMIDE</i>	106
<i>PALMITOYL TETRAPEPTIDE-7</i>	107
<i>PEPHA-TIGHT</i>	107
<i>PHYTONADIONE</i>	108
<i>RESVERATROL</i>	109
<i>REVITAL-EYES</i>	110
<i>CAFFEINE</i>	110
<i>LACTOBACILLUS</i>	111
<i>SALICYLIC ACID OR BHA</i>	112

<i>SEA KELP BIOFERMENT</i>	113
<i>VITAMIN C</i>	114
<b>EMULSIFIERS</b>	<b>116</b>
<i>EMULSIFYING WAX (OR E-WAX)</i>	116
<i>INCROQUAT BTMS-50</i>	117
<i>LOTIONPRO 165</i>	118
<i>POLAWAX</i>	119
<i>RITAMULSE SCG</i>	120
<i>SUCRAGEL AOF</i>	122
<b>THICKENERS</b>	<b>125</b>
<i>STEARIC ACID</i>	125
<i>CETYL ALCOHOL</i>	125
<i>CETYL ESTERS</i>	126
<i>CETEARYL ALCOHOL</i>	127
<i>BEHENYL ALCOHOL</i>	127
<b>PRESERVATIVES</b>	<b>128</b>
<i>WHAT CAN CONTAMINATE OUR PRODUCTS?</i>	128
<i>HOW PRESERVATIVES WORK</i>	129
<i>HOW TO CHOOSE A PRESERVATIVE?</i>	130
<a href="#"><u>COSMOCIL CQ</u></a>	131
<a href="#"><u>GEOGARD ULTRA</u></a>	131
<a href="#"><u>GERMABEN II</u></a>	131
<a href="#"><u>LIQUID GERMALL PLUS</u></a>	131
<a href="#"><u>LIQUIPAR OIL</u></a>	131
<a href="#"><u>LIQUIPAR OPTIMA</u></a>	132
<a href="#"><u>LIQUIPAR PE</u></a>	132
<a href="#"><u>MIKROKILL COS</u></a>	132
<a href="#"><u>OPTIPHEN</u></a>	132
<a href="#"><u>OPTIPHEN ND</u></a>	132
<a href="#"><u>OPTIPHEN PLUS</u></a>	133
<a href="#"><u>PHENONIP</u></a>	133
<a href="#"><u>SUTTOCID A</u></a>	133
<a href="#"><u>ADVANCED ALOE LEUCIDAL</u></a>	133
<a href="#"><u>LIQUID LEUCIDAL</u></a>	134
<a href="#"><u>NATAPRES</u></a>	134
<b>ANTI-OXIDANTS</b>	<b>134</b>
<i>What is rancidity?</i>	134
<i>How does rancidity differ from contamination?</i>	135
<i>How can we avoid rancidity?</i>	135
<i>What can we use as an anti-oxidant?</i>	135
<i>Anti-oxidants are not preservatives.</i>	135
<b>ESSENTIAL OILS</b>	<b>136</b>
<i>HOW ARE ESSENTIAL OILS PROCESSED?</i>	136
<i>PHYSICAL METHODS</i>	136
<i>WATER BASED METHODS</i>	136
<i>ESSENTIAL OILS: ORANGE ESSENTIAL OIL</i>	138
<i>FOLDED ESSENTIAL OILS AND PHOTOTOXICITY</i>	138

<i>AN ASIDE: USING ESSENTIAL OILS IN FACIAL PRODUCTS</i>	140
<i>ESSENTIAL OILS: LAVENDER</i>	140
<i>ESSENTIAL OILS: EUCALYPTUS</i>	143
<i>ESSENTIAL OILS: ROSEMARY</i>	144
<i>ESSENTIAL OILS: TEA TREE</i>	148
<b>AN ASIDE: PROCEDURES WHILE MAKING PRODUCTS</b>	<b>151</b>
<b>FORMULATING SURFACTANT BASED FACIAL CLEANSERS</b>	<b>152</b>
<i>ADJUSTING THE pH OF OUR PRODUCTS</i>	152
<i>AN ASIDE: WHAT CAUSES SKIN TIGHTNESS AFTER WASHING?</i>	153
<i>BASIC FACIAL CLEANSER RECIPE</i>	154
MODIFYING THE BASIC RECIPE FOR DRY SKIN	155
MODIFYING THE BASIC RECIPE FOR DRY SKIN – LOWER SURFACTANT LEVELS	156
BANANA & GINSENG FOAMING FACIAL CLEANSER FOR DRY SKIN	156
HONEY CHAMOMILE FACIAL CLEANSER FOR DRY SKIN (LOWER SURFACTANT LEVELS)	157
AN ASIDE: SOLUBILIZING OILS INTO WATER BASED PRODUCTS	158
MARSHMALLOW & PUMPKIN SEED CLEANSER FOR DRY SKIN	158
<i>MODIFYING THE BASIC RECIPE FOR OILY SKIN</i>	159
MODIFYING THE BASIC RECIPE FOR OILY SKIN	160
ROSEMARY & GREEN TEA FACIAL CLEANSER FOR OILY SKIN	160
CHRYSANTHEMUM & CHAMOMILE FACIAL CLEANSER FOR OILY SKIN	161
GRAPESEED & WITCH HAZEL FACIAL CLEANSER FOR OILY SKIN	162
<i>MODIFYING THE BASIC CLEANSER FOR ACNE PRONE SKIN</i>	162
ROSEMARY & WILLOW BARK CLEANSER FOR ACNE PRONE SKIN	163
<i>MODIFYING THE BASIC CLEANSER FOR NORMAL SKIN</i>	163
GREEN TEA & COCONUT FACIAL CLEANSER FOR NORMAL-DRY SKIN	164
ROSEMARY & WITCH HAZEL CLEANSER FOR NORMAL-OILY SKIN	165
<b>AN ASIDE: YOU CAN MAKE SURFACTANT BASED FACIAL CLEANSERS WITHOUT HEATING AND HOLDING</b>	<b>166</b>
<b>FORMULATING LOW SURFACTANT FOAMER BOTTLE CLEANSERS</b>	<b>166</b>
<i>FACIAL CLEANSER FOR FOAMER BOTTLES - very oily skin</i>	166
<i>FACIAL CLEANSER FOR FOAMER BOTTLES - more conditioning and moisturizing for any skin type</i>	167
<i>FOAMING FACIAL WASH WITH SCI SUITABLE FOR NORMAL TO DRY SKIN</i>	168
<i>FOAMING FACIAL WASH WITH SCI FOR DRY TO NORMAL SKIN TYPES</i>	169
<i>FORMULATING A FOAMER BOTTLE RECIPE WITH TONS OF EXTRACTS</i>	170
FACIAL WASH WITH A TON OF EXTRACTS IN A FOAMER BOTTLE	171
<i>FORMULATING A FOAMING FACIAL CLEANSER WITH WHITE WILLOW BARK</i>	172
FOAMING FACIAL CLEANSER FOR NORMAL TO OILY SKIN CONTAINING WHITE WILLOW BARK	172
<b>CREATING LOW SURFACTANT FOAMING BOTTLE CLEANSERS WITH HYDROLYZED PROTEIN BASED SURFACTANTS</b>	<b>174</b>
<i>FOAMING SILK FACIAL CLEANSER SUITABLE FOR ALL SKIN TYPES</i>	174
<i>LOW SURFACTANT FACIAL CLEANSER WITH FOAMING OAT SURFACTANT</i>	176
<i>LOW SURFACTANT FACIAL CLEANSER WITH FOAMING OAT SURFACTANT - VARIATION #1 - different surfactants, no foaming oat surfactant</i>	180
<i>LOW SURFACTANT FACIAL CLEANSER WITH FOAMING OAT SURFACTANT - different extracts, more powder</i>	180

<i>LOW SURFACTANT FACIAL CLEANSER WITH FOAMING OAT SURFACTANT - no ginger root extract, added hydrolyzed protein</i>	181
<i>LOW SURFACTANT FACIAL CLEANSER WITH FOAMING OAT SURFACTANT - lots and lots of changes!</i>	181
<i>FORMULATING A FOAMING RICE PROTEIN CLEANSER</i>	182
<i>FOAMING FACIAL CLEANSER WITH RICE CLEANSER</i>	182
<b>FORMULATING CREAMY SURFACTANT BASED CLEANSERS</b>	<b>184</b>
<i>CREAMY EXFOLIATING CLEANSER WITH JOJOBA BEADS</i>	184
<i>CREAMY EXFOLIATING FACIAL CLEANSER WITH JOJOBA ESTERS AND JOJOBA BEADS</i>	184
<i>CREAMY EXFOLIATING FACIAL CLEANSER FOR DRY SKIN</i>	186
<i>CREAMY EXFOLIATING FACIAL CLEANSER FOR WRINKLED SKIN</i>	186
<i>CREAMY EXFOLIATING FACIAL CLEANSER FOR OILY, RESISTANT SKIN</i>	187
<i>CREAMY EXFOLIATING FACIAL CLEANSER FOR ACNE OR ROSACEA PRONE SKIN</i>	188
<i>CREATING THICKENED SURFACTANT BASED CLEANSERS</i>	189
<i>CREAM CLEANSER FOR DRY SKIN</i>	189
<i>CREAM CLEANSER FOR NORMAL SKIN - FOR PEOPLE WHO LIKE OILS</i>	190
<i>CREAM CLEANSER FOR NORMAL TO OILY SKIN - FOR PEOPLE WHO AREN'T BIG ON OILS</i>	191
<b>FORMULATING OIL BASED FACIAL CLEANSERS</b>	<b>193</b>
<i>POTENTIAL OIL CLEANSING METHOD OIL FOR DRY SKIN</i>	194
<i>POTENTIAL OIL CLEANSING METHOD CLEANSER FOR OILY SKIN</i>	195
<b>AN ASIDE ON USING LOTIONS AS CLEANSERS</b>	<b>196</b>
<b>AN ASIDE: CAN GLYCERIN PULL WATER FROM YOUR SKIN WHEN THE HUMIDITY IS LOW?</b>	<b>197</b>
<b>AN ASIDE: WHAT DOES "ACTIVE" MEAN FOR OUR INGREDIENTS?</b>	<b>200</b>
<b>FORMULATING FACIAL SCRUBS</b>	<b>201</b>
<i>CHEMICAL EXFOLIANTS</i>	201
<a href="#"><u>ALPHA HYDROXY ACIDS</u></a>	201
<a href="#"><u>MULTIFRUIT BSC</u></a> (aka Fruit Acid Complex)	202
<a href="#"><u>SALICYLIC ACID</u></a>	202
<a href="#"><u>WHITE WILLOW BARK</u></a>	202
<a href="#"><u>PAPAYA EXTRACT</u></a>	203
<a href="#"><u>PINEAPPLE EXTRACT</u></a>	203
<a href="#"><u>HONEYSUCKLE EXTRACT</u></a>	203
<i>PHYSICAL EXFOLIANTS</i>	204
Jojoba beads	204
Loofah	204
Pumice	204
Salt	205
Sugar	205
Seeds	205
Shells	205
Clay	205
Baking soda	205
Aluminum Oxide - Dermabrasion Crystals	206
Bamboo exfoliating powder	206
Vanilla bean specks	206
<i>HOW TO USE EXFOLIANTS IN OUR PRODUCTS</i>	206

<b>FORMULATING AN OIL BASED FACIAL SCRUB</b>	<b>207</b>
<i>FACIAL SCRUB BASE</i>	207
<i>FORMULATING OIL BASED SCRUBS FOR DRY SKIN</i>	208
DRY SKIN BLEND #1	209
DRY SKIN BLEND #2.	210
DRY SKIN BLEND #3	210
DRY SKIN BLEND #4	210
<i>FORMULATING OIL BASED SCRUBS FOR OILY OR ACNE PRONE SKIN</i>	212
OILY SKIN BLEND #1	213
OILY SKIN BLEND #2	213
OILY SKIN BLEND #3	213
OILY SKIN BLEND #4 WITH CASTOR OIL	214
<i>ADDING THE EXFOLIANTS TO YOUR BASE</i>	214
<i>ADDING OIL BASED EXTRACTS TO OUR SCRUBS</i>	214
BASE OIL WITH OIL SOLUBLE GREEN TEA EXTRACT	215
BODY OR FACIAL OIL WITH OIL SOLUBLE ALOE VERA EXTRACT	215
<b>FORMULATING A SURFACTANT BASED SCRUB</b>	<b>217</b>
<i>INSTRUCTIONS FOR ALL THE SURFACTANT BASED SCRUBS</i>	220
<i>SAMPLE BASE FOR A FACIAL CLEANSER FOR OILY SKIN WITH PHYSICAL EXFOLIANTS</i>	221
<i>SAMPLE BASE modified to include glycerin</i>	222
<i>SAMPLE BASE modified to include glycerin and honeyquat</i>	222
<i>SAMPLE BASE modified to include glycerin, honeyquat, panthenol, and AHA</i>	223
<i>SAMPLE BASE modified to include glycerin and polyquat 7</i>	224
<i>SAMPLE BASE modified to include glycerin, polyquat 7, and PEG-7 olivate</i>	224
<i>SAMPLE BASE modified to include glycerin, polyquat 7, and Caprol Micro Express</i>	225
<i>SAMPLE BASE modified to include glycerin, honeyquat, panthenol, and glycol distearate</i>	225
<i>THICKENING YOUR FACIAL SCRUB</i>	226
<i>SAMPLE BASE modified to include glycerin, polyquat 7, Caprol Micro Express, and liquid Crothix</i>	226
<i>SAMPLE BASE modified to include glycerin, polyquat 7, Caprol Micro Express, and Amaze XT</i>	227
<i>SURFACTANT BASE FOR DRY SKIN TO WHICH WE'LL ADD PHYSICAL EXFOLIANTS</i>	228
<i>SURFACTANT BASE FOR OILY SKIN TO WHICH WE'LL ADD PHYSICAL EXFOLIANTS</i>	229
<i>SAMPLE SURFACTANT BASE FOR OILY SKIN TO WHICH WE'LL ADD PHYSICAL EXFOLIANTS WITH LOADS OF CHAMOMILE, ALOE VERA, AND WITCH HAZEL</i>	230
<i>SURFACTANT BASE FOR DRY SKIN WITH CHEMICAL EXFOLIANTS, OIL SOLUBLE EXTRACTS, GLYCOL DISTEARATE, AND CATIONIC POLYMERS</i>	231
<i>ADDING PHYSICAL EXFOLIANTS TO THE SURFACTANT BASE</i>	231
<i>ADDING EXFOLIANTS TO OUR SURFACTANT BASE</i>	233
<i>FINAL MODIFICATIONS OF SURFACTANT BASE FOR OILY SKIN TO WHICH WE'LL ADD PHYSICAL EXFOLIANTS</i>	233
<i>AN ASIDE: CAN WE USE A PHYSICAL AND CHEMICAL EXFOLIANT TOGETHER?</i>	236
<i>FACIAL SCRUB RECIPE: FOAMING CLAY CLEANSER</i>	236
FOAMING CLAY CLEANSER	236
AUSTRALIAN PINK CLAY MILD FACIAL SCRUB	237
<b>FORMULATING AN EMULSIFIED SCRUB</b>	<b>238</b>
<i>EMULSIFIED SUGAR SCRUB</i>	238
<i>EMULSIFIED FACIAL SCRUB #1 - OCCLUSIVE, dry feeling</i>	239
<i>EMULSIFIED FACIAL SCRUB #2 - FANCY OIL VERSION, DRIER FEELING</i>	240
<i>EMULSIFIED FACIAL SCRUB #3 - BUDGET CONSCIOUS</i>	241
<i>MODIFYING EMULSIFIED SCRUBS FOR YOUR SKIN TYPE</i>	241

EMULSIFIED SUGAR SCRUB FOR DRY SKIN	241
EMULSIFIED SUGAR SCRUB FOR OILY SKIN	242
EMULSIFIED SUGAR SCRUB FOR ROSACEA PRONE SKIN	242
EMULSIFIED SUGAR SCRUB FOR WRINKLED OR PIGMENTED SKIN	243
<b>AN ASIDE: WHAT IS THE SHELF LIFE OF OUR PRODUCTS?</b>	<b>244</b>
<i>BASIC LOTION RECIPE</i>	244
<b>WHAT'S AN INCI NAME?</b>	<b>247</b>
<b>WORKING WITH RECIPES: WHY WE USE PERCENTAGES</b>	<b>249</b>
<b>WORKING WITH RECIPES: HOW TO CONVERT FROM PERCENTAGES TO WEIGHT</b>	<b>249</b>
<b>FORMULATING TONERS</b>	<b>251</b>
<i>SWIFT'S BASIC TONER RECIPE</i>	251
<i>FORMULATING A TONER FOR THE OILY SKIN TYPE</i>	252
ROSEMARY AND GREEN TEA TONER FOR OILY, RESISTANT SKIN	254
TONER FOR ACNE PRONE SKIN	255
TONER FOR OILY, WRINKLED SKIN	256
<i>FORMULATING TONERS FOR DRY SKIN TYPES</i>	257
TONER SUITABLE FOR DRY, SENSITIVE OR WRINKLED SKIN	259
<i>FORMULATING FOR DRY, RESISTANT OR WRINKLED SKIN</i>	259
TONER SUITABLE FOR DRY, RESISTANT SKIN WITH WRINKLES	260
<i>FORMULATING FOR DRY SKIN IN GENERAL</i>	261
MINIMALIST TONER FOR DRY SKIN	261
IN BETWEEN TONER FOR DRY SKIN	261
MAXED OUT TONER FOR DRY SKIN	262
<i>A FEW OTHER TONER IDEAS</i>	262
TONER FIT FOR A BEST FRIEND WITH NORMAL SKIN	263
LAVENDER & CHAMOMILE TONER	263
<i>MIN-MAXING YOUR TONER</i>	264
MIN-MAXED TONER	265
<i>USING COSMECEUTICALS IN A TONER</i>	266
MIN-MAXED TONER WITH COSMECEUTICALS	266
<i>INCLUDING WATER SOLUBLE OILS IN A TONER</i>	267
ROSEMARY AND GREEN TEA TONER WITH WATER SOLUBLE OILS	267
<b>FORMULATING WATER SOLUBLE GELS FOR UNDER EYE GELS</b>	<b>268</b>
<i>CREATING A GEL WITH CARBOPOL ULTREZ 20 (THICK GEL)</i>	269
<i>FORMULATING AN EYE GEL</i>	270
<i>FORMULATING AN EYE GEL – VERSION 1</i>	271
UNDER EYE GEL #1	272
<i>FORMULATING AN EYE GEL, VERSION 2</i>	272
UNDER EYE GEL #2	273
<i>FORMULATING AN EYE GEL – MAKING MODIFICATIONS</i>	274
UNDER EYE GEL - ASTRINGENT, COOLING, ANTI-INFLAMMATORY	275
UNDER EYE GEL - KERATOLYTIC, SOFTENING, MOISTURIZING, OCCLUSIVE	276
UNDER EYE GEL - CHAMOMILE, OATS & SODIUM LACTATE	276
UNDER EYE GEL - WITCH HAZEL, HONEYQUAT, GREEN TEA EXTRACT, AND DARK EYE COMPLEX	277
<b>FORMULATING OIL SOLUBLE GELS TO MAKE UNDER EYE GELS</b>	<b>278</b>

<i>FORMULATING OIL SOLUBLE GELS WITH CERA BELLINA</i>	278
<i>RECIPE FOR OILY GEL WITH CERA BELLINA</i>	279
<i>ANHYDROUS EYE SERUM WITH CERA BELLINA</i>	279
<b>MAKING AN EMULSIFIED EYE CREAM</b>	<b>282</b>
<i>FORMULATING THE OIL PHASE</i>	282
<i>FORMULATING THE WATER PHASE</i>	284
<i>ADDING COSMECEUTICALS</i>	285
<i>EYE CREAM WITH RITAMULSE SCG</i>	286
<i>TWEAKING THE EYE CREAM WITH DIFFERENT EMULSIFIERS</i>	288
<i>TWEAKING THE OILS IN THE EYE CREAM</i>	290
<b>CREATING AN ANHYDROUS EYE SHADOW PRIMER</b>	<b>292</b>
<i>ANHYDROUS EYE SHADOW PRIMER</i>	292
<b>FORMULATING A FACIAL SERUM</b>	<b>294</b>
<i>GENERAL RECIPE FOR MAKING A SERUM</i>	294
<i>FORMULATING FOR THE OILY SKIN TYPE</i>	295
<i>FACIAL SERUM FOR OILY, BREAK OUT PRONE SKIN</i>	296
<i>THINGS TO THINK ABOUT WHEN FORMULATING A SERUM</i>	296
<i>FORMULATING FOR THE DRY SKIN TYPE</i>	296
<i>FACIAL SERUM FOR DRY SKIN</i>	297
<i>SHANNON'S FACIAL SERUM FOR DRY SKIN</i>	297
<b>AN ASIDE: HOW DO OILS IN A SERUM STAY MIXED?</b>	<b>298</b>
<b>FORMULATING A FACIAL SERUM WITH SEA BUCKTHORN OIL</b>	<b>299</b>
<i>FACIAL SERUM FOR DRY SKIN WITH SEA BUCKTHORN OIL</i>	299
<i>FACIAL SERUM FOR OILY SKIN WITH SEA BUCKTHORN OIL</i>	299
<b>FORMULATING A SERUM WITH OIL SOLUBLE EXTRACTS</b>	<b>300</b>
<i>FACIAL SERUM WITH OIL SOLUBLE GREEN TEA EXTRACT</i>	300
<i>FACIAL SERUM WITH OIL SOLUBLE MALLOW EXTRACT</i>	301
<b>FORMULATING A SERUM WITH ESTERS</b>	<b>301</b>
<i>FACIAL SERUM FOR DRY SKIN USING ESTERS</i>	301
<b>FORMULATING A FACIAL SERUM WITH SUPER STEROL ESTERS</b>	<b>302</b>
<i>FACIAL SERUM FOR DRY SKIN USING SUPER STEROL</i>	302
<b>FORMULATING A FACIAL SERUM WITH SILICONES</b>	<b>303</b>
<i>FACIAL SERUM FOR ALL SKIN TYPES USING SILICONES</i>	303
<b>FORMULATING A FACIAL LOTION BAR</b>	<b>303</b>
<i>FACIAL LOTION BAR FOR THE WINTER MONTHS</i>	306
<i>LOTION BAR WITH OIL SOLUBLE GREEN TEA EXTRACT</i>	306
<b>FORMULATING FACIAL MOISTURIZERS</b>	<b>307</b>
<i>BASIC FACIAL MOISTURIZER RECIPE – 80% WATER</i>	308
<i>BASIC FACIAL MOISTURIZER RECIPE – 85% WATER</i>	310
<i>A FEW NOTES ON MAKING LOTIONS</i>	310
<i>THE HEATED WATER PHASE</i>	310
<i>THE HEATED OIL PHASE</i>	311
<i>THE COOL DOWN PHASE</i>	313
<i>AN ASIDE: HOW DO YOU KNOW WHEN TO ADD AN INGREDIENT?</i>	313
<i>MODIFYING THE BASIC RECIPE FOR NORMAL SKIN</i>	314



BASIC FACIAL MOISTURIZER RECIPE FOR NORMAL SKIN	315
<i>MODIFYING THE BASIC RECIPE FOR DRY SKIN</i>	316
MODIFIED FACIAL MOISTURIZER FOR DRY SKIN	318
<i>MODIFIED BASIC RECIPE FOR WRINKLED SKIN</i>	319
MODIFIED MOISTURIZER FOR DRY, WRINKLED SKIN	320
<i>MODIFYING THE BASIC RECIPE FOR OILY SKIN</i>	321
MODIFIED CATIONIC OIL-FREE FACIAL MOISTURIZER FOR OILY, RESISTANT SKIN	323
MODIFIED CATIONIC OIL-FREE MOISTURIZER FOR ACNE PRONE OR ROSACEA TYPE SKIN	323
MODIFIED CATIONIC OIL-FREE MOISTURIZER FOR OILY, AGING OR WRINKLED SKIN	323
<i>FORMULATING SILICONE BASED FACIAL MOISTURIZERS</i>	325
SILICONE BASED MOISTURIZER FOR DRY, WRINKLED SKIN	326
SILICONE BASED MOISTURIZER WITH EXOTIC OILS	327
<i>FORMULATING A FACIAL MOISTURIZER WITH HEMP SEED OIL</i>	328
FACIAL MOISTURIZER WITH HEMP SEED AND MACADAMIA NUT OIL	329
<i>FORMULATING WITH SEA BUCKTHORN OIL</i>	330
FACIAL MOISTURIZER WITH SEA BUCKTHORN OIL	330
<i>FORMULATING A FACIAL MOISTURIZER WITH SUNFLOWER OIL</i>	331
FACIAL MOISTURIZER WITH SUNFLOWER OIL	332
<i>MODIFYING THE BASIC MOISTURIZER WITH COSMECEUTICALS</i>	333
MODIFIED FACIAL MOISTURIZER WITH NIACINAMIDE, BETA GLUCAN, AND DMAE	333
MODIFIED 85% WATER FACIAL MOISTURIZER RECIPE TWEAKED TO INCLUDE SOME COSMECEUTICALS	334
FACIAL MOISTURIZER TWEAKED TO INCLUDE EVEN MORE COSMECEUTICALS	334
<b>MAKING FACIAL MOISTURIZERS WITH BTMS-50</b>	<b>336</b>
<i>BASIC FACIAL MOISTURIZER RECIPE WITH BTMS-50</i>	337
<i>SAMPLE BTMS-50 RECIPE WITH MODIFIED WATER PHASE</i>	338
<i>FACIAL MOISTURIZER WITH BTMS-50 WITH LOADS OF COSMECEUTICALS</i>	339
<b>FORMULATING OIL FREE MOISTURIZERS</b>	<b>341</b>
<i>CATIONIC OIL FREE FACIAL MOISTURIZER</i>	342
<i>MODIFYING THE OIL FREE MOISTURIZERS TO INCLUDE COSMECEUTICALS</i>	343
<i>MODIFIED CATIONIC OIL-FREE MOISTURIZER FOR ACNE PRONE OR ROSACEA TYPE SKIN WITH COSMECEUTICALS</i>	344
<i>FORMULATING AN OIL FREE MOISTURIZER WITH ESTERS</i>	345
OIL FREE FACIAL MOISTURIZER WITH ESTERS	346
<b>FORMULATING MOISTURIZERS WITH LIQUID CRYSTAL EMULSIFIERS</b>	<b>348</b>
<i>EMULSIFIER: OLIVEM 1000</i>	349
<i>EMULSIFIERS: MONTANOV 68</i>	350
BASIC MONTANOV 68 MOISTURIZER HEATED WATER PHASE	350
CHAMOMILE & BETA GLUCAN MONTANOV 68 MOISTURIZER	351
HORSETAIL & SILK PROTEIN MONTANOV 68 MOISTURIZER	352
<b>APPENDIX: OIL AND BUTTER PROFILES</b>	<b>354</b>
<i>INGREDIENTS: EMOLLIENTS - CARRIER OIL PROFILES</i>	355
<i>APRICOT KERNEL OIL</i>	355
<i>AVOCADO OIL</i>	355
<i>CASTOR OIL</i>	356
<i>COCONUT OIL</i>	358
<i>FRACTIONATED COCONUT OIL</i>	358
<i>GRAPESEED OIL</i>	359

<i>HAZELNUT OIL</i>	360
<i>HEMP SEED OIL</i>	361
<i>JOJOBA OIL</i>	363
<i>MACADAMIA NUT OIL</i>	364
<i>MEADOWFOAM SEED OIL</i>	365
<i>OLIVE OIL</i>	366
<i>RICE BRAN OIL</i>	367
<i>SESAME OIL</i>	368
<i>SOY BEAN OIL</i>	369
<i>SUNFLOWER OIL</i>	370
<i>SWEET ALMOND OIL</i>	370
<i>VIRGIN COCONUT OIL</i>	371
<i>WHEAT GERM OIL</i>	372
<b>INGREDIENTS: EMOLLIENTS - BUTTER PROFILES</b>	<b>374</b>
<i>COCOA BUTTER</i>	374
<i>MANGO BUTTER</i>	375
<i>SHEA BUTTER</i>	376
<b>AN ASIDE: CAN I USE GROCERY STORE OILS IN MY PRODUCTS?</b>	<b>378</b>
<b>AN ASIDE: WHY USE MORE THAN ONE OIL IN A LOTION?</b>	<b>378</b>
<b>INGREDIENTS: EMOLLIENTS - EXOTIC BUTTERS</b>	<b>379</b>
<i>ILLIPE BUTTER</i>	379
<i>MOWRAH BUTTER</i>	379
<i>KOKUM BUTTER</i>	379
<i>SAL BUTTER</i>	380
<i>MURUMURU BUTTER</i>	380
<i>BABASSU OIL</i>	380
<b>INGREDIENTS: EMOLLIENTS - EXOTIC OILS</b>	<b>382</b>
<i>ARGAN OIL</i>	382
<i>BLACKBERRY SEED OIL</i>	382
<i>BLUEBERRY SEED OIL</i>	383
<i>BORAGE OIL</i>	384
<i>CALENDULA OIL</i>	385
<i>CAMELLIA OIL</i>	386
<i>CARROT TISSUE OIL</i>	387
<i>CRANBERRY OIL</i>	388
<i>EMU OIL</i>	389
<i>EVENING PRIMROSE OIL</i>	390
<i>KUKUI NUT OIL</i>	391
<i>POMEGRANATE OIL</i>	392
<i>PUMPKIN OIL</i>	393
<i>RASPBERRY SEED OIL</i>	394
<i>ROSEHIP OIL</i>	395
<i>SEA BUCKTHORN OIL</i>	396
<b>A LITTLE INFORMATION ON OUR YOUTH PROGRAMS</b>	<b>399</b>
<b>ABOUT THE AUTHOR</b>	<b>399</b>