

Section XII

Miscellaneous

Anhydrous Basic Ointment

<u>Raw Materials:</u>	<u>Wt%</u>
A. Softisan 649	10
Miglyol 812 (Caprylic/Capric Triglyceride)	5
Softigen 701 (Glyceryl Ricinoleate)	4
Imwitor 780K (Isostearyl Glyceryl Succinate)	3
Petrolatum	68
Permulgin 4101 (co-emulsifier)	10
<u>Preparation:</u>	
All ingredients are melted, mixed and stirred cold.	

Analgesic Suppositories

<u>Raw Materials:</u>	<u>Parts by Weight</u>
Trimethobenzamid-HCl	0.200g
Benzocain	0.030g
Witepsol H15 (Hard Fat, DAB 10)	1.800g
Softigen 710	0.200g

Heparin Gel

<u>Raw Materials:</u>	<u>Wt%</u>
Heparin sodium	50,000IE
Softigen 767	10
Carbopol 980 (Carbomer)	1.5
NaOH solution, 10%	4
Preservative	q.s.
Water ad	100
<u>Preparation:</u>	

Dissolve the heparin sodium in the quantitative of water specified, add preservative. After weighing the quantity, add Carbopol and NaOH solution and stir well until a homogeneous gel is obtained. Gradually mix the gel with the Softigen.

Heparin Cream

<u>Raw Materials:</u>	<u>Wt%</u>
A. Softisan 601	18
Imwitor 960 flakes (Glyceryl Stearate SE)	5
Miglyol 812 (Caprylic/Capric Triglyceride)	5
Cetyl Alcohol	3
B. Preservative	q.s.
Water ad	100
C. Heparin sodium	20000IE
<u>Preparation:</u>	

A is heated to about 75C, B is brought to the same temperature and emulsified into A. At about 25C A+B is put into C portion by portion.

SOURCE: Huls Aktiengesellschaft: Suggested Formulations

Emulsion O/W with Lactokine Fluid

<u>Ingredients:</u>	<u>Wt%</u>
a) Arlatone 985	4.00
G-4822	2.00
Arlamol M 812	5.00
Paraffinum, perliquidum	5.00
Phenonip	0.30
b) Water, distilled	75.40
Phenonip	0.30
1,2-Propylene glycol	3.00
c) Lactokine Fluid	5.00

Manufacture:

- a) melt and bring to about 70C;
- b) heat to about 70C and stir into a).
Continue stirring until the cream has cooled to about 30C;
- c) stir in.
Perfume, homogenize

Body Emulsion O/W with Glycoderm (P) and Cutavit Richter

<u>Ingredients:</u>	<u>Wt%</u>
a) Emulgade SE	8.00
Cetiol LC	5.00
Eutanol G	5.00
Cutavit Richter	2.00
Phenonip	0.30
b) Water, distilled	65.60
Phenonip	0.30
Glycerin	3.00
Ultrez 10	0.20
NaOH 10%	0.60
c) Glycoderm (P)	10.00

Manufacture:

- a) melt and bring to approx. 70C;
- b) bring to approx. 70C and add to a) with stirring.
Continue stirring until cooled to approx. 30C;
- c) add with stirring.
Perfume, homogenize.

SOURCE: Chemisches Laboratorium Dr. Kurt Richter GmbH: Formulas

Emulsion O/W with 5% Epicutin-TT

<u>Ingredients:</u>	<u>Wt%</u>
a) Cutina FS 25	2.00
Cutina CBS	3.00
Cetiol V	13.00
Phenonip	0.30
b) Water, distilled	61.40
Phenonip	0.30
Glycerin	5.00
KOH 1%	10.00
c) Epicutin-TT	5.00

Manufacture:

- a) melt and bring to about 80C;
- b) heat to about 80C and stir into a).
Continue stirring until the emulsion has cooled to about 30C;
- c) stir in.
Perfume, homogenize.

Emulsion O/W with Epicutin-TT

<u>Ingredients:</u>	<u>Wt%</u>
a) Arlatone 985	4.00
G-4822	2.00
Arlamol M 812	5.00
Paraffinum, perliquidum	5.00
Phenonip	0.30
b) Water, distilled	75.40
Phenonip	0.30
1,2-Propylene glycol	3.00
c) Epicutin-TT	5.00

Manufacture:

- a) melt and bring to about 70C;
- b) heat to about 70C and stir into a).
Continue stirring until the cream has cooled to about 30C;
- c) stir in.
Perfume, homogenize

SOURCE: Chemisches Laboratorium Dr. Kurt Richter GmbH: Formulas

Fatty Ointment with Echinacea, W/O

<u>Raw Materials:</u>	<u>Wt%</u>
A. Inwitor 780K (Isostearyl Diglyceryl Succinate)	6
Inwitor 928 (Glyceryl Cocoate)	3
Miglyol 812 (Caprylic/Capric Triglyceride)	7
Petrolatum	9
Elfacos ST9 (stabilizer)	4
Elfacos C26 (Hydroxyoctacosanyl Hydroxystearate)	4
B. D-Panthenol	5
Preservative	q.s.
Water ad	100
C. Echinacea-Liquidum	2

Microemulsion, Emulsified at Room Temperature

<u>Raw Materials:</u>	<u>Wt%</u>
A. Miglyol 812 (Caprylic/Capric Triglyceride)	20
Softigen 767 (PEG-6 Caprylic/Capric Glycerides)	30
Inwitor 380 (Glyceryl Cocoate/Citrate Lactate)	30
Water	20

Preparation:

All components are stirred together.

Skin Milk of Low Viscosity, Perfume Free

<u>Raw Materials:</u>	<u>Wt%</u>
A. Inwitor 370 (Glyceryl Stearate Citrate)	6
Miglyol 812 (Caprylic/Capric Triglyceride)	15
B. Sorbic Acid	0.2
Water ad	100

Preparation:

A is heated to 70-80C and B of same temperature is added to A.

Wound and Healing Ointment

<u>Raw Materials:</u>	<u>Wt%</u>
A. Softisan 601	25
Miglyol 812 (Caprylic/Capric Triglyceride)	5
Inwitor 960 flakes (Glyceryl Stearate SE)	5
Zinc Oxide	10
Cremophor EL (Hydrogenated Castor Oil)	2
B. Benzocain	2
Preservative	q.s.
Water ad	100

Preparation:

A is melted at about 75C and stirred homogeneously. B is brought to the same temperature and emulsified into A. Then stir cold.

SOURCE: Huls Aktiengesellschaft: Suggested Formulations

Insect Repellent Cream (W/O)
with UV-Filter

<u>Raw Materials:</u>	<u>Wt%</u>
A Insect Repellent 3535 (Art.-No. 111887) (Ethyl Butyl-acetylamino-propionate)	20.00
B Euscolex 6300 (Art.-No. 105385) (4-Methylbenzylidene Camphor)	3.00
Dow Corning 3225C (Cyclomethicone (and) Dimethicone Copolyol)	12.00
Dow Corning 344 (Cyclomethicone)	2.50
Bentone paste SIL (Cyclomethicone (and) Stearalkonium Hectorite (and) SD Alcohol 40)	15.00
Solvent ID (Isododecane)	7.30
Witconol 14 (Polyglyceryl-4 Oleate)	2.50
Beeswax, white (Art.-No. 111544) (Beeswax)	2.00
Carnauba wax (Copernica Cerifera)	0.50
C Sodium chloride (Art.-No. 106400)	2.00
Propanediol-1,2 (Art.-No. 107478) (Propylene Glycol)	2.00
Preservatives	q.s.
Water, demineralized	ad 100.00

Procedure:

Mix phase C. Heat phase B to 80C, stir until clear and cool to 25C. Add phase A to phase B. Add phase C. Homogenize. As required add perfume.

Note:

Samples contain as preservatives

0.20% Euxyl K400

Formulation 14-04/F

Insect Repellent Lotion

<u>Raw Materials:</u>	<u>Wt%</u>
A Insect Repellent 3535 (Art. No. 111887) (Ethyl Butyl-acetylamino-propionate)	20.00
Polyethylene glycol 400 (Art. No. 817003) (PEG-8)	5.00
B Ethanol 96% (Art. No. 100971)	35.00
Water, demineralized	15.00
C Polyethylene glycol 1500 (Art. No. 817005) (PEG-30)	4.00
D Arlamol E (PPG-15 Stearyl Ether)	3.00
Perfume oil Bariton (10607)	0.30
E Water, demineralized	17.70

Procedure:

Blend phase D. Mix phase B and incorporate phases A, C, D and E while stirring.

Note:

pH22C=5.8

Formulation 10-01/F

SOURCE: Rona-Merck: Suggested Formulations

Peppermint Foot Balm

A cooling peppermint foot balm formulation containing Bentone Gel LOI rheological additive

<u>Ingredients:</u>	<u>Wt%</u>
Cetearyl Alcohol (and) Cetareth 20	5.00
Cetyl Alcohol	3.00
Caprylic/Capric Triglyceride	8.00
Aloe Vera Gel 10:1 decolorized	1.50
Methyl Pyrrolidone Carboxylate	0.80
Glycerine-Vegetable derived	5.00
Methyl Gluceth 10	2.00
Propylene Glycol and Lichen Extract	0.20
Perfume Peppermint	0.30
Methyldibromoglutaronitrile (and) Dipropylene Glycol	0.20
FDC Yellow 5 (0.1% solution)	0.40
FDC Green 3 (0.1% solution)	0.20
Bentone Gel LOI	2.00
Demineralized Water	Bal to 100%
	(pH approx. 6.0)

Method of Manufacture:

1. Thoroughly disperse the Bentone Gel LOI additive in the oil phase, add the Methyl, Pyrrolidone Carboxylate and heat to 75-80C.
2. Heat the aqueous phase (water, colors, Aloe Vera, Glycerine, and Methyl Gluceth 10) to 75-80C.
3. Using high shear mixing, add the two phases together and continue to homogenize.
4. At 45-50C transfer to a propeller stirrer and at 40C add the Propylene Glycol and Lichen Extract.
5. Add the perfume and preservative below 30C.

This is a rich, oil-in-water cream, containing Aloe Vera and a fungicide. The presence of the coolant (Methyl Pyrrolidone Carboxylate) gives a refreshing sensation. The stability, viscosity control, and in particular, the excellent skin feel during and after application are provided by Bentone Gel LOI additive.

SOURCE: Rheox, Inc.: Elementis Specialties: Suggested Formula

Rheumatic Ointment

<u>Raw Materials:</u>	<u>Wt%</u>
A. Softisan Gel	25
Mineral Oil	15
Imwitor 780K (Isostearyl Diglyceryl Succinate)	5
B. Preservative	q.s.
Water ad	100
C. Miglyol 812 (Caprylic/Capric Triglyceride)	3
Camphor	0.5
D. Benzyl Nicotinate	1

Preparation:

A is stirred homogeneously and warmed up to approx. 75C. B is brought to the same temperature slowly emulsified into A. C is warmed until camphor is dissolved and then stirred into the hot emulsion. After cooling down D is emulsified into the cream.

Haemorrhoidal Ointment

<u>Raw Materials:</u>	<u>Wt%</u>
A. Softisan Gel	15
Petrolatum, white	15
Imwitor 780K (Isostearyl Diglyceryl Succinate)	5
B. Allantoin	1
Heparin-Na	10000IE
Lidocain-HCl x H ₂ O	0.4
Preservative	q.s.
Water ad	100
C. Basic Bismuth Nitrate	5

Preparation:

At first A is stirred to a homogeneous mass and heated to approx. 75C. Solution B is brought to the same temperature and prepared together with A to an emulsion. After cooling down to room temperature C is dispersed homogeneously in A+B.

SOURCE: Huls Aktiengesellschaft: Suggested Formulations

Rheumatism Ointment

<u>Raw Materials:</u>	<u>Wt%</u>
A. Benzyl Nicotinate	0.3
B. Imwitor 780K (Isostearyl Diglyceryl Succinate)	5
Miglyol Gel B	25
Mineral Oil	15
C. Camphor	2
Miglyol 812 (Caprylic/Capric Triglyceride)	3
D. Heparin sodium	5000 I.E.
Aqua conservans ad	100

Preparation:

B is homogeneously stirred first and then melted at about 75C. The heparin is dissolved in a part of water. The water residue, after heating to about 75C, is compounded with B to an emulsion. Phase C is heated until camphor is dissolved and is then added to the hot ointment. After cooling down A and the heparin solution are emulsified into the cream.

Nasal Ointment

<u>Raw Materials:</u>	<u>Wt%</u>
A. Ephedrine-HCl	0.05
Camphor	0.15
Peppermint Oil	0.30
Eucalyptus Oil	0.90
Fennel Oil	0.60
B. Miglyol Gel B	10
Imwitor 780K (Isostearyl Diglyceryl Succinate)	5
Mineral Oil	17
Paraffin	3
C. Aqua conservans ad	100

Preparation:

Ephedrine-HCl is dissolved in a small amount of water. B is heated up to approx. 75C and then homogenized. C is brought to the same temperature and emulsified into B. After cooling down to below 40C the ephedrine solution and the mixture of the remaining components of A are admixed.

SOURCE: Huls Aktiengesellschaft: Suggested Formulations

Wound- and Healing Ointment

<u>Raw Materials:</u>	<u>Wt%</u>
A. Zinc Oxide	10
D-Panthenol	3
Vitamin A	0.3
B. Imwitor 780K (Isostearyl Diglyceryl Succinate)	6
Miglyol 812 (Caprylic/Capric Triglyceride)	7
Paraffin	5
Petrolatum	13
Lunacera P (Microwax)	3
C. Aqua conservans ad	100

Preparation:

B and C are each heated up to approx. 75C and then admixed until an emulsion is obtained. The zinc oxide is manufactured homogeneously with the finished ointment. At last the vitamin A is added.

Urea Cream, W/O

<u>Raw Materials:</u>	<u>Wt%</u>
A. Miglyol 812 (Caprylic/Capric Triglyceride)	7
Imwitor 780K (Isostearyl Diglyceryl Succinate)	6
Imwitor 928 (Glyceryl Cocoate)	3
Petrolatum	9
Elfacos ST9 (stabilizer)	4
Elfacos C26 (Hydroxyoctacosanyl Hydroxystearate)	5
B. Urea	10
Preservative	q.s.
Citrate buffer solution ad	100

Preparation:

A is heated to 75C. B is brought to the same temperature and emulsified into A.

SOURCE: Huls Aktiengesellschaft: Suggested Formulations