

FORMULATION EXAMPLE

MSAS.954.03.07.18 Happy Skin Shower Oil Supporting the natural microbiome of the skin

Ingredients	INCI (US)	[%]
A		
RonaCare® SereneShield	(1) BUTYL HYDROXYCYCLOHEXANE CARBOXYLATE	0.50
RonaCare® Bisabolol	(1) BISABOLOL	0.50
RonaCare® AP	(1) BIS-ETHYLHEXYL HYDROXYDIMETHOXY BENZYL MALONATE	0.50
Oxyxex® L-CV Liquid	(1) ALCOHOL (AND) TOCOPHEROL (AND) CAPRYLIC/CAPRIC TRIGLYCERIDE (AND) ASCORBYL PALMITATE (AND) ASCORBIC ACID (AND) CITRIC ACID	0.10
Cithrol 10GTIS	(2) PEG-20 GLYCERYL TRIISOSTEARATE	23.75
Crodamol IPIS	(2) ISOPROPYL ISOSTEARATE	14.40
Crodamol ISIS	(2) ISOSTEARYL ISOSTEARATE	14.40
Dub Zenoat	(3) PROPANEDIOL DICAPRYLATE	ad 100
Myritol® 318	(4) CAPRYLIC/CAPRIC TRIGLYCERIDE	9.20
B		
RonaCare® Ectoin	(1) ECTOIN	0.10
1,2-Propanediol	(1) PROPYLENE GLYCOL	2.20
Water, demineralized	WATER	2.20
C		
RonaCare® Sodium Hydroxide , 1 % solution	(1) WATER (AND) SODIUM HYDROXIDE	q.s.

Procedure:

Cold process -

Mix all ingredients of phase A. Add premixed phase B slowly while stirring.

Finally adjust the pH value to 5.0-5.5 with phase C.

Notes:

Appearance : thin, transparent microemulsion

pH (at 23 °C) : 5.0

Stability : 3 months at room temperature, 4 °C and 45 °C

The microemulsions are stable in specific temperature ranges. Outside this range, a phase separation may occur which can be solved by a simple shaking.

Suppliers:

(1) Merck KGaA, Darmstadt, Germany / EMD Performance Materials

(2) Croda

(3) Stearinerie Dubois Fils

(4) BASF AG

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