

# anti acne gel

formula #: 100-10132

material #: 878545

ingredients (trade name   INCI name)		%w/w	supplier
<b>phase a</b>			
Deionized water	Water/Aqua/Eau	42.8300	Local
<b>phase b</b>			
Salicylic Acid USP	Salicylic Acid	2.0000	Local
Surfin 96	Alcohol Denat.	40.0000	Deulep
<b>phase c</b>			
FlexiThix™ polymer	PVP	4.0000	Ashland
<b>phase d</b>			
Ceraphyl™ 41 ester	C12-15 Alkyl Lactate	3.0000	Ashland
DOWSIL* 3901 Liquid Satin Blend	Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	2.0000	Dow Chemical
<b>phase e</b>			
Deionized water	Water/Aqua/Eau	0.5000	Local
Sodium Hydroxide	Sodium Hydroxide	0.0700	Local
<b>phase f</b>			
Lubrajel* Oil Free hydrogel	Glycerin (and) Glyceryl Acrylate/Acrylic Acid Copolymer (and) PVM/MA Copolymer	2.5000	Ashland
BPD-500	HDI/Trimethylol Hexyllactone Crosspolymer (and) Silica	0.1000	Kobo Products
Acnacidol™ BG biofunctional	Butylene Glycol (and) 10-Hydroxydecanoic Acid (and) Sebacic Acid (and) 1, 10-Decanediol	3.0000	Ashland
<b>total</b>		<b>100.00</b>	

## procedure

In a side Beaker, prepare phase b until clarity and add to phase a.

In the main beaker, sprinkle in Flexithix slowly to phase ab while increasing the speed of agitation.

Mix well until smooth while keeping the bulk at RT.

At RT, add phase d into phase abc and mix well.

In a side beaker, prepare phase e, mix well with a magnetic stirrer.

At RT, add phase e into the main vessel.

At RT, add components of phase f one by one and mix between each addition.

## typical properties

description: Semi-translucent gel cream

pH: 3.0-3.5

viscosity: 9,000 cps- 12,000 cps (Brookfield RVT/Spindle A/5 rpm/1 minute/25C)

stability/challenge information: This formula passed standard stability protocol and micro challenge testing. The preservative system, however, has not been optimized to its lowest effective level.

The information contained in this document and the various products described are intended for use only by persons having technical skill and at their own discretion and risk after they have performed necessary tests and evaluations of the products and their uses. All statements, information and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee, an express warranty, or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which Ashland and its subsidiaries assume legal responsibility. A purchaser must make its own determination of a product's suitability for purchaser's use, the protection of the environment, and the health and safety of its employees and customers. We make no warranty against infringement of any patents by reason of purchaser's use of any product or formulation described in this document.

© Registered trademark, Ashland or its subsidiaries, registered in various countries. ™Trademark, Ashland or its subsidiaries, registered in various countries. \*Trademark owned by a third party. © 2018, Ashland.

Date: 8/9/2017