

Glypure™

Cosmetic-Grade Glycolic Acid

Formulation—Skin Care Gotalene® Exfoliating Face Scrub



Glypure™ penetrates the skin efficiently—readjusting water percentages in the epidermis, stimulating collagen synthesis, and promoting cell turnover. It is also an efficient pH adjuster.

- Improves the look and feel of skin
- Promotes exfoliation
- Improves skin texture
- Fights the signs of aging
- Reduces the appearance of fine lines and wrinkles
- Improves the appearance of sun-damaged skin
- Helps even out skin tone
- Reduces impurities and dead cells

Phase	Trade Name	Wt%	INCI Name	Supplier
A1	Purified Water USP	18.00	Purified Water USP	
A2	Carbopol® Aqua CC	8.00	Polyacrylate-1 Crosspolymer	Lubrizol
B1	Keltrol® CG-T	0.50	Xanthan Gum	CP Kelco
B2	Amphosol® 1 C	26.00	Sodium Cocoamphoacetate	Stepan
B3	Arlasilk™ EFA	0.50	Linoleamidopropyl PG-Dimonium Chloride Phosphate	Croda
B4	Glycerin	2.00	Glycerin	Spectrum
B5	Amphosol® HCG	10.00	Cocamidopropyl Betaine	Stepan
C1	Purified Water	15.00	Purified Water	Spectrum
C2	Glypure™	10.70	Glycolic Acid (70%)¹	Chemours
C3	Sodium Hydroxide	pH 3.8-4.3	Sodium Hydroxide	-
D1	Spectragard™	1.00	Caprylyl Glycol (and) Hexylene Glycol (and) Water (and) Methylisothiazolinone	Inolex
D2	Sodium Hydroxide	pH 3.8-4.3	Sodium Hydroxide	-
D3	Gotalene®	1.00	Polyethylene	Axalta

Notes:

¹Glypure™ (99%) may be substituted for Glypure™ (70%). Compensate for active Glycolic Acid content and purified water percentage accordingly.

²May use other suitable alkalis, e.g., Potassium Hydroxide, Ammonium Hydroxide, or Sodium Hydroxide.

*Other botanical extracts or ingredients reported as skin lightening agents may be added as desired. Stability profiles of the finished product should be determined.

In lieu of Glypure™, formulators and manufacturers must use Glypure™ L for products used or distributed in Canada or Australia and in Europe for nail care products.

Manufacturing Procedure

1. Add A2 to A1, and mix until uniform.
2. Add phase B ingredients in order with mixing.
3. In a separate vessel, mix phase C ingredients and then add to main vessel.
4. Add Gotalene® and mix until uniform.
5. Add fragrance or dye as desired, and adjust final product pH to indicated range, qs to 100%.

Glypure™ has proven benefits in hair, skin, and nail care formulations. To learn more about the benefits of Glypure™, visit www.glypure.com.

For more information, visit glycolicacid.chemours.com or call (800) 441-9593.

The information set forth herein is furnished free of charge and based on technical data that Chemours believes to be reliable. It is intended for use by persons having technical skill, at their own risk. Because conditions of use are outside our control, Chemours makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe, any patents or patent applications.

© 2016 The Chemours Company FC, LLC. Glypure™ and any associated logos are trademarks or copyrights of The Chemours Company FC, LLC. Chemours™ and the Chemours Logo are trademarks of The Chemours Company.

C-10873 (6/16)