

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.

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