



Glycolic Acid

INCI Glycolic acid
CAS 79-14-1

SPECIFICATIONS OF LIQUID FORM

Appearance Clear to light yellow liquid
Assay (%) 70 min

SPECIFICATIONS OF POWDER FORM

Appearance White crystalline powder
Assay (%) 99 min

GENERAL INFORMATION

Glycolic acid belongs to the alpha hydroxy acid (AHA) group that is widely used for acne, dryness, anti-aging and hyperpigmentation.

The keratolytic properties of glycolic acid exfoliate dead skin cells from the skin surface and lead to better skin by reducing existing lines and wrinkles, acne problems and fades hyperpigmentation.

Additionally, Glycolic acid acts as a humectant and has the ability to draw moisture to itself. This means it draws moisture to the newly exfoliated skin which leads to hydration of dry skin and preventing new fine lines and wrinkles.

FORMULATIONS & RECOMMENDATIONS

Recommended usage is a dosage level of 1.0 to 4.0 % in cosmetic products. Usage of Glycolic acid depends on the pH, which may be used at a level of up to pH \geq 3.8.

Recommended use concentration
1.0 - 4.0 %

Solubility
water, alcohols, acetic acid, ethyl acetate and acetone

APPLICATIONS

Cosmetics

- Nail Conditioner
- Hair Conditioner
- Acne Treatment
- Anti-Aging products
- All in one body / hair shampoos
- Sunscreen Combination
- Skin peeling products
- Leave in conditioner

BENEFITS

- Improves the appearance of skin
- Perfect humectant
- Good efficacy as an anti-aging agent
- Compatible with other compounds and ingredients
- Biodegradable
- No effect on the appearance of cosmetic products due to its clear, colorless appearance

SHELF LIFE

36 months under proper storage conditions