

# Kojic Acid Skin Lightener

**Use Rate: 1% to 3% Kojic Acid**

**For a 100 gm or 3.6 oz Cream**

**that is**

**2% Kojic Acid**

**Add 2 gm or 1/2 tsp Kojic Acid**

**Important: Always use Sunscreen when using this product~!**

**Description:** Kojic Acid (5-hydroxy-2-hydroxymethyl-4-pyrone) is a by-product in the fermentation process of malting rice. Mild inhibitor of the formation of pigment in plant and animal tissues, used also to preserve or change colors in food and cosmetics. Off-white powder. Soluble in water. CAS#501-30-4.

**INCI Name:** Kojic acid.

**Properties:** Depigmenting agent and fights age spots. Induces skin lightening and helps establishing an even skin tone on all skin types. Minimizes liver spots.

**Use:** Recommended concentration 1 - 3%, add to water phase of formula, can be combined with other skin lighteners.

**Application:** All kinds of skin-lightening products including lotions, creams, fluids, makeup products.

## INCI: Kojic Acid

Because it limits the effects of tyrosinase, kojic acid is an effective skin lightener and brightener. Used extensively in the Asian market where fair skin is considered a sign of luxury, kojic acid is finding a new market in the western world with our aging Baby Boomers. Kojic acid is used to reduce dark spots, including freckles and age spots. Derived from fungus, kojic acid is used extensively in lotions, creams and serums for the face. It provides excellent effects in evening out skin tone. This material is 98% pure or better. It is supplied as a free-flowing white to off white powder. It is freely soluble in water.

Use rate is 1% - 5% (one percent to five percent) of the total batch weight. Increased use rates may cause skin sensitization. **Always test first.** Adding kojic acid to formulation is easy. Since this material is water soluble, simply measure out the required amount and dissolve into the water phase of your formula. If you have an already existing lotion to which you would like to add kojic acid, dissolve the material in a small amount of distilled water and add to the base. Mix well with a stick blender or other mechanical stirrer.

**Important: Always use Sunscreen when using this product~!**

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