
Updated: 27-Jan-2026

Kaolin, USP

Specification Sheet

Description: USP grade, pure natural mineral composed of kaolinite with low iron content (synonyms: china clay, nacrite, kaolinite, calcined kaolin, metakaolin). Consists of silicon dioxide, aluminum oxide, magnesium oxide, calcium oxide, ferric oxide, and titanium dioxide. Average particle size 325 mesh.

CAS: 1332-58-7

INCI Name: Kaolin

Composition: Kaolin, Quartz, Titanium Dioxide, Mica, Cristobalite

Purity Grade: USP Grade

Appearance: Off-white fine powder, odorless

pH Value: pH range: 5 (5% solution)

Benefits:

- Great covering ability and anti-caking properties
- Able to absorb fats from the skin
- Improves the appearance of enlarged pores
- Helps clear up breakouts and blemished skin
- Has soothing properties (ideal for sensitive skin)

Use: Can be added to formulas as is, usual final concentration 4-20%. For external use only.

Applications: Face powders, face masks, creams and lotions for oily skin, bath powders, foundation cake makeup, dry rouges, deodorants, soaps. Skin protective products.

Solubility: Water-insoluble

Preservation: Preservative-free

Storage: Store in a closed container at a dry place at room temperature

Country of Origin: USA

MakingCosmetics Inc.

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Raw material source: Kaolin-containing mineral deposits

Manufacture: Kaolin is a hydrated aluminum silicate obtained by mining naturally occurring mineral deposits. Such deposits are purified by a dry process involving crushing, drying, pulverizing and classifying and a wet processes involving formation of a kaolin slurry followed by selective flocculation.

Animal Testing: Not animal tested

GMO: GMO free (does not contain plant-derived components)

Vegan: Does not contain animal-derived components

HS Code: 2507000000

California Proposition 65: WARNING: This product can expose you to chemicals including crystalline silica (respirable) and titanium dioxide, which is known to the State of California to cause cancer or reproductive toxicity. For more information, go to www.P65Warnings.ca.gov

Regulatory Information: Kaolin is registered as an OTC skin protectant drug with the FDA (Category I, allowed concentration 4-40%). This means that if you want to sell a finished product containing kaolin and you make a skin protectant claim (incl. minor cuts, scrapes, burns, chapped skin and lips, poison ivy, poison oak, poison sumac, and insect bites), kaolin must then be listed under 'Active Ingredients' on the label. Also, your facility and your product must be registered with the FDA and you must operate under cGMP guidelines. However, if no skin protectant drug claims are made on the label, kaolin is not considered a OTC drug and no registration is needed.

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