

Comments Obtained by refining and hydrogenating the oil obtained from the seeds of *Cocos nucifera*. Included in the FDA Inactive Ingredients Database (rectal suppositories). The USP 40–NF 35 S1 includes a monograph for Hydrogenated Coconut Oil. Included in the Canadian Natural Health Products Ingredients Database. Store in tight, light-resistant containers at a temperature not exceeding 55°C. The EINECS number for hydrogenated coconut oil is 284-283-8.

18 Comments

Coconut oil has been reported to have antifungal activity against a range of *Candida* species.⁽¹¹⁾

Coconut oil has been used therapeutically in a lotion for the eradication of head lice,⁽¹²⁾ and was included in a regime used to treat a patient who had ingested 16.8 g aluminum phosphide.⁽¹³⁾ Virgin coconut oil may have anti-inflammatory, analgesic and antipyretic properties.⁽¹⁴⁾

Concern has been expressed at the potential use of coconut oil as a suntan lotion as it does not afford any protection against ultraviolet light.⁽¹⁵⁾

The FDA Inactive Ingredients Database also lists fractionated coconut oil (oral capsules; topical emulsions, creams and ointments). Unhydrogenated coconut oil is listed in the Canadian Natural Health Products Ingredients Database. A specification for coconut oil (unhydrogenated) is contained in the *Food Chemicals Codex* (FCC).⁽¹⁶⁾

The EINECS number for coconut oil is 232-282-8.

19 Specific References

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20 General References

Todd RG, Wade A, eds. *The Pharmaceutical Codex*, 11th edn. London: Pharmaceutical Press, 1979: 214.

21 Author

ME Quinn.

22 Date of Revision

4 May 2017.

Colloidal Silicon Dioxide

1 Nonproprietary Names

BP: Colloidal Anhydrous Silica
JP: Light Anhydrous Silicic Acid
PhEur: Silica, Colloidal Anhydrous
USP–NF: Colloidal Silicon Dioxide

2 Synonyms

Aerosil; *Aeroperl*; *Cab-O-Sil*; colloidal silica; fumed silica; fumed silicon dioxide; hochdisperses silicium dioxid; SAS; silica colloidalis anhydrica; silica sol; silicic anhydride; silicon dioxide colloidal; silicon dioxide fumed; synthetic amorphous silica; *HDK*.

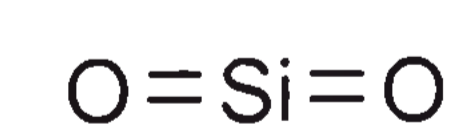
3 Chemical Name and CAS Registry Number

Colloidal silicon dioxide [112945–52–5]

4 Empirical Formula and Molecular Weight

SiO₂ 60.08

5 Structural Formula



6 Functional Category

Adsorbent; anticaking agent; emulsion stabilizing agent; glidant; suspending agent; tablet and capsule disintegrant; viscosity-increasing agent.

7 Applications in Pharmaceutical Formulation or Technology

Colloidal silicon dioxide is widely used in pharmaceuticals, cosmetics, and food products; *see* Table I. Its small particle size and large specific surface area give it desirable flow characteristics that are exploited to improve the flow properties of dry powders⁽¹⁾ in a number of processes such as tableting^(2–4) and capsule filling.⁽⁵⁾