

Myristic Acid

Specification Sheet

Description: Also called tetradecanoic acid, myristic acid is a fractionated saturated fatty acid that occurs naturally in certain fats and oils including nutmeg butter, coconut oil, and palm oil. Nutmeg, palm oil and coconut oil contain high levels of myristic acid. It is widely used as raw material in the production of emulsifiers, anionic & nonionic surfactants, ester & flavors. Saponification value 243-249.

CAS: 544-63-8, 57-10-3, 143-07-7

INCI Name: Myristic Acid, Palmitic Acid, Dodecanoic Acid

Composition: Myristic Acid, Palmitic Acid, Dodecanoic Acid

Appearance: White crystalline solid

Benefits:

- Used primarily as a surfactant, cleansing and thickening agent.
- Has good emulsifying and opacifying properties.
- Provides some thickening effects.

Use: Add to oil-phase of formula or in phase with surfactants. Typical use level 0.5-10%. For external use only.

Applications: All kinds of personal care products including soaps, cleansing creams, lotions, hair conditioners, shaving products.

Solubility: Partly soluble in water, soluble organic solvents such as ethanol, DMSO, and acetates.

Preservation: Preservative-free

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

Country of Origin: Malaysia

Raw material source: Palm kernel oil (RSPO certified)

Manufacture: Myristic acid is the methyl ester of mixed fatty acids produced by fractional distillation of palm kernel oil.



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Animal Testing: Not animal tested.

GMO: GMO-free

Vegan: Does not contain animal-derived components.

HS Code: 291590000