

## 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. 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. White crystalline solid. Partly soluble in water. Soluble organic solvents such as ethanol, DMSO, and acetates.

**CAS:** 544-63-8

**INCI Name:** Myristic acid

**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.

**Country of Origin:** USA

**Raw material source:** Coconut oil and other vegetable oils

**Manufacture:** Myristic acid is the methyl ester of mixed fatty acids produced by fractional distillation of coconut oil and other vegetable oils.

**Animal Testing:** Not animal tested

**GMO:** GMO free but not certified

**Vegan:** Does not contain animal-derived components