

Industrene® 7018

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CAS Registry Number: 57-11-4

Description

Industrene® 7018 fatty acid is saturated fatty acid composed of approximately 70% stearic acid. This distilled, industrial-grade fatty acid is available in bulk and flaked in 2000 lb. shipping units containing 40-50 lb bags.

Applications

Industrene® 7018 fatty acid is useful as a gelling agent, anti-caking agent, chemical intermediate, emulsifier, foam dispersant, mod-release agent, resin stabilizer, and suspension agent. It is also used in abrasives, buffing compounds, cleaners, cosmetics, cutting oils and lubricants, paints, waxes, plastics, printing inks, rubber compounding, textile chemicals, and water repellents.

Product Specifications

Properties	Specifications
Acid Number	201.0 – 207.0
GLC-C14	0.0 – 6.0
GLC-C16	23.0 – 33.0
GLC-C18	60.0 – 70.0
Iodine Value	0.0 – 1.0
Lovibond (5.25) Red	0.0 – 0.50
Lovibond (5.25) Yellow	0.0 – 5.00
Unsaponifiables	0.0 – 0.50
Saponification Value	202.0 – 208.0
Titer	58.0 – 62.0
Trans @ 440 nm	50.0 – 100.0
Trans @ 550 nm	90.0 – 100.0

PMC Biogenix, Inc.
1231 Pope Street
Memphis, TN 38108

Customer Service
800.641.2152 or 901.325.4930
Fax 800.641.2153

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Safety and Handling

Most Industrene® fatty acids are not primary skin irritants by the Draize Test (Federal Hazardous Substances Act). It should be noted however, that the C₆, C₈, C₁₀ fatty acids are corrosive and that C₁₂ fatty acid is an eye irritant. Wear chemical safety goggles, rubber gloves and apron while handling this product. Avoid contact with skin and eyes.

Avoid direct contact with skin and eyes. In case of accidental eye contact, flush with large amounts of water and call a physician. If swallowed, call a physician.

Industrene® fatty acids are not regulated by the Department of Transportation (DOT). They are not corrosive and not flammable by DOT definitions. However, if these products are supplied in powder form, in-process dusting should be minimized, otherwise an explosive hazard could develop. Avoid all sources of ignition when handling this product.

The Industrene® fatty acids, though chemically stable, should be kept away from strong oxidizing agents. Contact with metals such as iron, copper, or copper alloys may cause or increase discoloration of fatty acids. In general they should not remain at temperatures greater than 130°F (54 °C) for extended periods of time. Melting points will vary however, according to individual products' titer values.

Please consult the Material Safety Data Sheet for additional information on safety, handling and storage before using this product.



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