

Sodium Stearate C-1

Description

Sodium Stearate is a sodium salt of distilled, hydrogenated fatty acids. These products are designed for use in cosmetics and personal care applications as well as other applications.

Applications

Sodium Stearate C-1, can provide wetting, thickening, emulsification and opacification to creams, lotions and shampoos. It may be used as a gelling agent in gel sticks. It's relatively high solubility in hot polar solvents allows for the formation of rigid and semi-rigid gel preparations upon cooling.

Available Forms

Powder

Packaging

Bag – 50lbs (22.68kgs)

Solubility

Sodium Stearates are:

- Insoluble in benzene, toluene, xylenes
- Sparingly soluble in water, methanol, ethanol, esters on ketones and vegetable oils.
- Soluble in hot mineral oils and waxes with gel formation upon cooling.

Product Specifications

Properties	Specifications
Free Fatty Acids (As Stearic)	0.20 – 1.30
GLC-C16	50.0 – 57.0
GLC-C18	37.5 – 45.5
Water	0.00 – 3.00
Fineness % Thru 100 Mesh	30.0 – 100.0
FSC Test	Clear
Unreacted Caustic	Pass
Appearance, White Powder	Pass (visual)

FDA Status

Sodium Stearate C-1 is sanctioned by the U.S. Food and Drug Administration (FDA) under Title 21 of the Code of Federal Regulations (21 CFR). These use clearances are indicated in the following sections:

Applications	21CFR	Limits
In adhesives	175.105	Not to exceed the amount necessary to achieve results
Acrylate ester copolymer coatings	175.210	None
Resinous and polymeric coatings	175.300(b)(3)(xxii)	None
Resinous and polymeric coatings for polyolefin films	175.320	None
Xylene-formaldehyde resins condensed with 4,4'-isopropylidene-phenol-epichlorohydrin epoxy resins	175.380	
Zinc-silicone dioxide matrix coatings	175.390	

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

Customer Service
800.641.2152 or 901.325.4930
Fax 800.641.2153

The information contained herein is correct to the best of our knowledge. Your attention is directed to the pertinent Material Safety Data Sheets for the products mentioned herein. All sales are subject to PMC Biogenix, Inc.'s standard terms and conditions of sale, copies of which are available upon request and which are part of PMC Biogenix, Inc.'s invoices and/or order acknowledgements. Except as expressly provided in PMC Biogenix, Inc.'s standard terms and conditions of sale, no warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose, is made with respect to the products described herein. Nothing contained herein shall constitute permission or recommendation to practice any invention covered by a patent without a license from the owner of the patent.

FDA Status (continued)

Applications	21CFR	Limits
As a component of paper and paperboard brought in contact with aqueous and fatty foods	176.170	None
As a component of paper and paperboard brought in contact with dry foods	176.180	
Cellophane	177.1200	None
In closures with sealing gaskets for food containers	177.1210	None
Ethylene-vinyl acetate copolymers	177.1350	
Hydroxyethyl cellulose film, water soluble	177.1400	
Filters, resin bound Substances employed in fiber finishing	177.2260	
Surface lubricants used in the manufacture of metallic articles	178.3910(b)(2)	None
Packaging materials for use during the Irradiation of prepackaged foods	179.45	Not to exceed 1% by weight of polymer
Stabilizer (Prior Sanction)	181.29	None

This FDA status information is intended to provide an overview only and is not intended to be an alternative to reading the FDA regulations. The above CFR sections should always be consulted for the complete context before any conclusion is made as to the allowed regulated use.

Safety and Handling

Sodium Stearate is not regulated by the Department of Transportation (DOT). It is not corrosive and not flammable by DOT definitions. However, these products are available in powder form and – like all powders – should be handled in such manner as to minimize dusting. Otherwise, an explosive hazard could develop. Avoid all sources of ignition when handling this product. Avoid dispersion of dust to reduce fire and explosion potential.

Although metallic stearates are chemically stable, they should be kept away from strong oxidizing agents. They should not remain at temperatures greater than 75 – 85 °C (167 – 185 °F) for extended periods of time.

The Safety and Handling information listed above is intended to provide an overview only and is not intended to be an alternative to reading the MSDS for the product listed.

Please consult the Material Safety Data Sheet for additional information on safety, handling and storage before using this product. Contact PMC Biogenix, Inc. for copies of the MSDS for this product.



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

Customer Service
800.641.2152 or 901.325.4930
Fax 800.641.2153