



## SOVEREIGN CHEMICAL COMPANY

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# Sodium Stearate

<b>Manufacturer:</b>	The Norac Company, Inc.
<b>Classification:</b>	Metallic stearate emulsification, wetting and lubrication agent
<b>Chemical Composition:</b>	Sodium stearate
<b>Chemical Formula:</b>	Na (C <sub>18</sub> H <sub>35</sub> O <sub>2</sub> )

### Specification Data

Specification Properties	Value	Test Method
Total Ash	9.5-11.5% wt	316
Free Fatty Acid	1.0% maximum	308
Moisture	3.0% maximum	302
Softening point	200-240°C	494
<b>Typical Properties</b>		
Fineness thru 100 mesh	40-100%	358
Physical Form	Free flowing white powder	Visual

### Applications

**Cosmetic Sticks:** Sodium Stearate dissolves in polar solvents which allow the formation of rigid or semi-rigid gels used in cosmetic sticks.

**High Temperature Plastics:** Sodium Stearates' high melting point makes them excellent processing aids and lubricants in polycarbonates and nylons.

**Latex Paints:** Sodium Stearate is used as an emulsification and dispersing agent.

**Paper and Paperboard:** Sodium Stearate is used as an internal sizing, dispersion and wetting agent.

**Plastics - Rigid PVC:** Sodium Stearate is used in combination with calcium stearate as an auxiliary lubricant.

**Solubility:** Soluble in hot: water, methanol and ethanol.

Insoluble or slightly soluble in: esters, ketones, turpentine, benzene, toluene, xylenes, vegetable oils, carbon tetrachloride, mineral oils, waxes, and eleic acid.

### FDA Regulations

Chewing gum base 21 CFR 172.615(a)

Food contact surface component 21 CFR 177.2600(c) (4)

Irradiated prepackaged food coating 21 CFR 179.45(c) (2)

Prior-sanctioned food ingredient 21 CFR 175.300(b) (3)

Resinous and polymeric coating 21 CFR 175.300(b) (3)

### Packaging and Storage

**Packaging:** 50 lb. multiwall bags.

**Shelf Life:** 3 years from date of manufacture if stored as indicated below.

**Storage:** Storage conditions greatly affect the usable life of the product. Material should be stored in an enclosed area at ambient temperature away from extreme heat and moisture. Avoid high dust concentrations and all possible ignition sources. Keep away from flame, heat (200°F maximum) and strong oxidizing agents.

Specification Date: January 15, 2003 (supersedes 1/14/1998)