



*Special Effects Equipment & Supplies*

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For Chemical Emergency call Infotrac @ 1-800-535-5053

## Material Safety Data Sheet

### Section 1 - Product Identification

**Product Name:** Stearic Acid

**Chemical Name:** Stearic Acid

### Section 2 - Ingredients

<u>Chemical Name</u>	<u>CAS#</u>	<u>Percentage</u>
Palmitic Acid	571003	50%
Stearic Acid	57114	35%

<b>Exposure Limits</b>	<b>Permissible Exposure Limit:</b> Not Established
	<b>Ceiling Limits:</b> Not Established
	<b>Short Term Exposure Limit:</b> Not Established
	<b>Can be absorbed through skin?:</b> Yes

### Section 3 - Physical/Chemical Characteristics

<b>Boiling Point</b>	>700F	<b>Solubility in Water</b>	Insoluble
<b>Vapor Pressure (mm Hg)</b>	1	<b>Specific Gravity (H2O = 1)</b>	0.849
<b>Vapor Density (Air = 1)</b>	N/K	<b>Melting Point</b>	127F
<b>Appearance and Odor / Odor threshold</b>	White, waxy flakes or powder with a fatty acid odor		
<b>Evaporation Rate (Butyl Acetate = 1)</b>	NIL	<b>PH</b>	N/A
<b>Freezing Point</b>	N/A		

### Section 4 - Fire and Explosion Data

<b>Lower Explosive/Flammability Limit</b>	N/K	<b>Flash Point</b>	350
<b>Upper Explosive/Flammability Limit</b>	N/K	<b>Autoignition Temperature</b>	
<b>Extinguishing Media</b>	Use water fog, carbon dioxide, foam, or dry chemical.		
<b>Fire Fighting Measures</b>	Fire fighters should use NIOSH approved SCBA & full protective equipment when fighting chemical fire. Use water spray to cool nearby containers exposed to fire.		
<b>Fire or Explosion Hazards</b>	Stearic acid is a flammable dust. In confined space, may explode.		

Section 5 - Reactivity Data	
Chemical Stability	Stable in usual conditions. Avoid high temps, sparks & flame.
Incompatibility	Avoid Strong oxidizing agents, acids and alkalies
Hazardous Decomposition or Byproducts	Not specified
Hazardous Polymerization	None

Section 6 - Health Hazard Data	
Routes of Entry	Skin, ingestion, or inhalation.
Health Hazards	May cause irritation os eyes, skin, respiratory or G.I. Tract. Avoid inhalation of flakes or dust.
Carcinogenicity	N/A
Signs and Symptoms of Exposure	Eye and skin irritant
Medical conditions generally aggravated by exposure	None reported
Emergency and First Aid Procedures	<b>Eyes and skin:</b> Flush with large amount of water for about 15-20 minutes; seek medical attention immediately.
	<b>Inhalation:</b> remove to fresh air; call a physician.
	<b>Ingestion:</b> Seek medical attention immediately.

Section 7 - Precautions for Safe Handling and Use	
Spill or Release Data	Use proper personal protection; sweep up or vacuum and collect for proper disposal in an approved container.
Waste Disposal Method	Consult local authorities; disposal must be in accordance with local, state and federal regulations.
Handling and Storage	Store in cool, dry, well vented, low fire risk area. Protect from heat, shock, and friction. Keep containers closed.
Other Precautions	Avoid eye and skin contact

Section 8 - Control Measures	
Respiratory Protection	Use NIOSH/MSHA approves respirator for dust/ mist if above PEL or SCBA in an enclosed area.
Protective Gloves	Impervious
Eye Protection	Safety glasses/goggles
Other Protective Equip.	Protective clothing, eye-wask facilities, safety shower.
Ventilation	Local/general to maintain PEL
Work/Hygienic Practices	Avoid contact with eyes and skin; do not breathe vapors/mist/dust. Wash thoroughly after each use; do not eat drink or smoke.

To the best of our knowledge, the information contained above is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained above.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described above, we cannot guarantee that these are the only hazards that exist.

Prepared: October 2006