

Section 1: Identification	
Common Name/Trade Name	STEARIC ACID NF POWDER
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693
Product Synonym(s)	Saturated Fatty Acids
Relevant Use(s) of Product	Manufacture or Compounding of Substances
	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)

Section 2: Hazards Identification	
Classification of Substance or Mixture	Acute Toxicity, Oral (Category 5), Skin Corrosion/Irritation (Category 2), Serious Eye Damage/Eye Irritation (Category 2), Acute Toxicity, Inhalation (Category 4)
Signal Word	Warning
Hazard Statement(s)	H303 May be harmful if swallowed H315 Causes skin irritation H320 Causes eye irritation H332 Harmful if inhaled
Pictogram(s)	
Precautionary Statement(s)	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P262 Do not get in eyes, on skin, or on clothing. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN Wash with soap and water. P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. P314 Get Medical advice/attention if you feel unwell. P332+P313 If skin irritation occurs Get medical advice/attention.
Hazards Not Otherwise Classified	In high enough concentrations, with a source of ignition, a dust cloud may create a fire or explosion hazard.
Ingredient(s) with Unknown Toxicity	No data available

Section 3: Composition/Information on Ingredients		
Chemical Name	Stearic Acid	
Common Name	Stearic Acid	
CAS Number	57-11-4	
Additional Ingredient Information	The specific chemical component identities and/or the exact component percentages of this material may be withheld as trade secrets. This information is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of 29 CFR 1910.1200 (l)(1). TRACE COMPONENTS: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).	
	Material	Percent
	Stearic Acid	48
	Palmitic Acid	48
	Myristic Acid	1
	Lauric Acid	<1
		CAS
		57-11-4
		57-10-3
		544-63-8
		143-07-7
Impurities and/or Stabilizing Additives	No data available	

Section 4: First Aid Measures

General Advice	No data available.
If Inhaled	After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).
In Case of Skin Contact	In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with soap & water. Wash contaminated clothing before reuse.
In Case of Eye Contact	For eyes, flush with plenty of water for 15 minutes & get medical attention.
If Swallowed	If large amounts of this material are swallowed, call a physician immediately. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious or convulsing person.
Most Important Symptoms and Effects	See Section 11 for Symptoms/Effects (acute & chronic).

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Use water spray or fog to cool the containers exposed to the heat of a fire.
Special Hazards Arising From the Substance/Mixture	SLIGHTLY COMBUSTIBLE! Isolate from oxidizers, heat, & open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions. Continue all label precautions!
Special PPE and/or Precautions for Firefighters	Water spray may be ineffective on fire but can protect freighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined area or space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots).

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Wear appropriate personal protective equipment given in Section 8 to pick up the spilled material and place in appropriate containers for recovery, disposal, or satellite accumulation. Flush the spill area with water, collect the rinsates for disposal or sewer, as appropriate.
Methods and Materials Used for Containment	Keep from entering storm sewers and ditches which lead to waterways. Stop spill at source. Dike and contain. Collect leaking & spilled liquid in sealable containers as far as possible.
Cleanup Procedures	Stop spill at source. Dike and contain. Collect leaking & spilled liquid in sealable containers as far as possible.

Section 7: Handling and Storage

Precautions for Safe Handling	Isolate from oxidizers, heat, & open flame. Use only with adequate ventilation. Protect eyes, skin and clothing from contact with this produce. Avoid prolonged or repeated contact with skin. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse. Avoid free fall of powder. Ground containers when transferring. Do not flame cut, braze, or weld. Continue all label precautions!
Conditions for Safe Storage	Store this product in a cool, dry, well-ventilated area away from incompatible materials and products. Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	None Known. This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.
Appropriate Engineering Controls	VENTILATION LOCAL EXHAUST: Necessary MECHANICAL (GENERAL): Acceptable SPECIAL: None OTHER: None Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details. Provide readily accessible eye wash stations & safety showers. Wash at end of each workshift & before eating, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.
PPE - Eye/Face Protection	Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.
PPE - Skin Protection	Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.
PPE - Body Protection	Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.
PPE - Respiratory Protection	A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Section 9: Physical and Chemical Properties

Appearance	Powder, Opaque, Waxy, Fine, White
Upper/Lower Flammability or Explosive Limits	Not available
Odor	Slight Characteristic
Vapor Pressure	(mm of Hg)@20 C: 0.0
Odor Threshold	Not Available
Vapor Density	Not applicable
pH	Not Available
Relative Density	No data available
Melting Point/Freezing Point	55 C / 131 F
Solubility	WATER SOLUBILITY: Negligible (a few ppm)
Initial Boiling Point and Boiling Range	361 C / 682 F
Flash Point	196 C / 385 F (COC)
Evaporation Rate	Not Applicable
Flammability (Solid, Gas)	Class III??
Partition Coefficient	Not Available
Auto-Ignition Temperature	Not Applicable
Decomposition Temperature	Not Available
Viscosity	Not Available

Section 10: Stability and Reactivity

Reactivity	Stable under normal conditions, no hazardous reactions when kept from incompatibles.
Chemical Stability	Stable under normal conditions, no hazardous reactions when kept from incompatibles.
Possibility of Hazardous Reactions	Isolate from extreme heat, & open flame.
Conditions to Avoid	Isolate from extreme heat, & open flame.
Incompatible Materials	Isolate from oxidizers, strong alkali and caustics.
Hazardous Decomposition Products	Carbon Oxides with dense irritating smoke from burning. HAZARDOUS POLYMERIZATION: Will not occur.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Stearic Acid: LD50 (Oral): 4640 mg/kg (Rat). Palmitic Acid: LD50 (Oral): > 10000 mg/kg (Rat), Myristic Acid: LD50 (Oral): > 10000 mg/kg (Rat), Lauric Acid: 12000 mg/kg (Rat). Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.
Acute Toxicity - Inhalation	No data available. Vapor harmful.
Acute Toxicity - Dermal	Stearic Acid: LD50 (Skin): > 5000 mg/kg (Rabbit). Irritation: Dermal/ 3 days: 75mg (Human) (Mild) Palmitic Acid: 75 mg (Human) (Mild).
Acute Toxicity - Eye	Myristic Acid: Irritation: Eye contact: 100 mg (Rabbit) Mild. Lauric Acid: 100 mg (Rabbit) Mild.
Skin Corrosion/Irritation	Lauric Acid: Skin Contact: 500 mg (Rabbit) Mild. Primary irritation to skin, defatting, dermatitis. Irritating to contaminated tissue.
Serious Eye Damage/Irritation	Primary irritation to eyes, redness, tearing, blurred vision. Powder can cause eye irritation.
Respiratory or Skin Sensitization	No component is known as a sensitizer.
Germ Cell Mutagenicity	No known reports of mutagenic effects in humans.
Carcinogenicity IARC	This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.
Carcinogenicity ACGIH	This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.
Carcinogenicity NTP	This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.
Carcinogenicity OSHA	This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.
Reproductive Toxicity	No known reports of embryotoxic effects in humans. No known reports of reproductive effects in humans.
Specific Target Organ Toxicity - Single Exposure	May cause damage to target organs, based on animal data.
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals. No aquatic environmental information is available on this product.
Persistence and Degradability	This product is partially biodegradable.
Bio-accumulative Potential	Bioaccumulation of this product has not been determined
Mobility in Soil	Mobility of this material has not been determined.
Other Adverse Effects	No data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal. ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES.
Waste Treatment Methods Packaging	Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal. ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

SARA SECTION 311/312 HAZARDS: None Known. All components of this product are on the TSCA list. This material contains no known products restricted under SARA Title III, Section 313 in amounts greater or equal to 1%. CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity. The identified components of this product are listed on the chemical inventories of the following countries: Australia (AICS), Canada (DSL or NDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (MET/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA). D2B: Irritating to skin / eyes. This product was classified using the hazard criteria of the Controlled Products Regulations (CPR). This Document contains all information required by the CPR. HEALTH (NFPA): 0, HEALTH (HMIS): 0, FLAMMABILITY: 1, PHYSICAL HAZARD: 0 (Personal Protection Rating to be supplied by user based on use conditions.) This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

Section 16: Other Information

Additional Information	MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing disorders of any target organs mentioned in this Document can be aggravated by over exposure by routes of entry to components of this product. Persons with these disorders should avoid use of this product.
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Disclaimer

Letco Medical, LLC believes that the above information is correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. If the product is used as a component in another product, this information may not be applicable. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED ABOVE. Letco Medical shall not be held liable for any loss or damage resulting from handling, storage, use or from contact with the above product.