



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Stearic acid

30-1230

Section 1: Identification

Product Name Stearic acid
Commercial Name Palmitic acid
Product Use Not available
Restrictions On Use Not Known

Product Code 30-1230

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Not available

CFR 1910.1200

Signal Word NON-HAZARDOUS

Hazard Statement(s) Combustion

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Not available.
Response Not available.
Storage Not available
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Fatty acids, C16-18
% By Weight 100
CAS# 67701-03-5
Molecular Weight Not available
Chemical Formula Not available
Synonym(s) Not available

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Fatty acids, C16-18	67701-03-5	90-100		

Section 4: First-Aid Measures

Inhalation	Move to fresh air. If suffocation is serious take to a doctor.
Skin Contact	Remove contaminated clothing, flush skin with water or shower, take to a doctor if necessary.
Eye Contact	Flush with water; take to a doctor if necessary
Ingestion	Rinse mouth, drink plenty of water, see physician. Do not give anything by mouth to an unconscious person
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.
Immediate Medical Attention	
Not available.	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Dry powder, carbon dioxide, foam

Unsuitable Extinguishing Media

None known

Products of Combustion

Liquid product may have temperature exceeding 54 deg C

Firefighters Special Equipment and Precautions

Not available.

Section 6: Accidental Release Measures

Leak/ Spill: Collect leakage in sealable containers, soak up with sand or other inert absorbent and remove to safe place. Wash site with sodium bicarbonate solution or soda ash. Wipe to clean. Can also allow spillage to solidify then shovel into container.

Section 7: Handling and Storage

Handling: To use gloves, and wear goggles when handling Storage: Keep in a cool (<35 deg C) and dry place, avoid extreme heat and cold. Best Storage temperature is 30-25 deg C. Store in clean, dry preferably stainless steel vessels, in bulk, store at about 5-10 deg C above melting point

Section 8: Exposure Controls/Personal Protection

Exposure Limits	None of the components have assigned exposure limits.
Engineering Controls	Not available
Personal Protection	Wear protective goggle, face shield and rubber gloves

Section 9: Physical and Chemical Properties

Appearance	Waxy, white crystalline solids (Powder)		
Odor	Slight bland		
Odor Threshold	Not available		
Melting Point	54 min	pH	Not available
Freezing Point	Not available	Vapor Pressure	<1.0 (mm of Hg at 165° C)
Boiling Point/Range	: >350	Vapor Density	Not available.
Decomposition temperature	No data available	Viscosity	Not available.
Partition Coefficient: n-octanol/water	No data available	Evaporation Rate	Not available
Flash Point	: > 200 deg C	Autoignition temperature	> 250 deg C
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	No data available
		Upper	No data available
Solubility(ies)	Soluble in ethanol, ether and most organic solvent		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Not available.
Hazardous Polymerization	Not available.
Conditions to Avoid	Avoid direct fire, strong oxidizers / alkalis
Incompatible Materials	Strong Oxidants
Hazardous Decomposition Products	Carbon, carbon dioxide & carbon monoxide

Section 11: Toxicological Information

RTECS WI2800000

Acute Toxicity

LD50 (oral, rat) =>10000mg/kg

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Not available.

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive Toxicity

Not available.

Routes of Entry

Not available.

Symptoms Related to Exposure

Not available

Potential Health Effects

Not available

Target Organ(s)

Not available

Section 12: Ecological Information**Ecotoxicity**

Acute fish toxicity: LC50>100 gm product /liter

Persistence and Degradability

No data available

Bioaccumulative Potential

No data available

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Depending on local regulation, the product can be burned in suitable combustions installation

Disposal of Container

As usual

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Stearic Acid Powder 35-80 % is classified under non-hazardous chemicals. Not classified as dangerous.

Other

Not available.

Section 16: Other Information



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