

# MATERIAL SAFETY DATA SHEET

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## PRODUCT NAME: Triple Pressed Stearic Acid Veg

### CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION:

#### TRADE NAME: TRIPLE PRESSED STEARIC ACID VEG

CAS # 57-11-4  
EINECS # 200-313-4  
DATE: April 7, 2008

SUPPLIER: LEE H. SMITH AND COMPANY  
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EMERGENCY: CHEMTREC (800) 424-9300

### COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION	CHEMICAL FORMULA	CAS#	PROPORTION	EC#
Hexadecanoic Acid +	C16H32O2/CH3 (CH2)14 COOH	67701-03-5	27 - 66	266-928-5
Octadecanoic Acid	C18H36O2/CH3 (CH2)16 COOH		32-72	

**SYNONYM:** Palmitic Acid 55%

### HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Special hazards for man and environment: None

### PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE:	Waxy white crystalline solids
ODOR:	Slight, blank-like odor
SOLUBILITY:	Soluble in ethanol, ether and most organic solvents Insoluble in water (20°C)
BOILING POINT, ° CENTIGRADE @ 760 mm Hg	>300
MELTING POINT, ° CENTIGRADE	55 - 60
FLASH POINT, ° CENTIGRADE-CLEVELAND OPEN CUP	>200°C
AUTO-IGNITION, ° CENTIGRADE	>250°C
DENSITY, g/ml@75 °	0.85
VAPOR PRESSURE (mm of Hg@ 131°)	<1.0
VISCOSITY, mPa.s@54°	8.04

MOLAR MASS:	256.4 - 284.5
% VOLATILES:	Not Known
VAPOR DENSITY:	Not known
EVAPORATION RATE:	Not known

### FIRST AID MEASURES

INGESTION:	Rinse mouth, drink plenty of water, see physician. Do not give anything by mouth to an unconscious person.
EYE CONTACT:	Flush with water, take to a doctor if necessary.
SKIN CONTACT:	Remove contaminated clothing, flush skin with water or shower, take to doctor if necessary.
INHALATION:	Not relevant.

### FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry powder, carbon dioxide or foam, water spray jet.

### ACCIDENTAL RELEASE MEASURE

PERSONAL PRECAUTIONS:	Avoid contact with skin and eyes.
ENVIRONMENT PRECAUTIONS:	Do not allow to flow into drainage system.
CLEAN-UP METHODS:	Collect leakage in sealable containers. Soak up with sand or other inert absorbent & remove to safe place. Wash site with sodium bicarbonate solution or soda ash. Spillage may be allowed to solidify; then shovel into containers. Clean up area immediately.

### HANDLING AND STORAGE

HANDLING:	Avoid open flames. Use gloves and wear goggle when handling. Always work safely around open hatches on bulk tanks. The low density makes flotation difficult for immersed person.
STORAGE:	Keep in a cool and dry place, avoid extreme heat and cold. Store in a clean, dry preferably stainless steel vessel. In bulk, store at about 5-10°C above melting point or at ambient temperature. Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure.

### EXPOSURE CONTROL/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:	
HAND/SKIN PROTECTION:	Wear rubber gloves.
EYE PROTECTION:	Wear approved safety goggles and face shield.

EXPOSURE LIMIT: Not applicable  
INDUSTRIAL HYGIENE: Normal standard of industrial hygiene to be observed.

#### **STABILITY AND REACTIVITY**

CONDITIONS TO AVOID: Avoid direct fire.  
MATERIALS TO AVOID: None known if used for its intended purpose.  
DECOMPOSITION PRODUCTS: None known if used for its intended purpose.

#### **DISPOSAL INFORMATION**

Disposal method in accordance with all applicable notional environment laws and regulations.

#### **TOXICOLOGICAL INFORMATION**

TOXICITY DATA: LD 50 (oral, rat) = 10000 mg/kg  
CARCINOGENICITY: None  
REPRODUCTIVE EFFECTS: No harmful effects expected  
EFFECT OF OVER-EXPOSURE: No harmful effects expected  
CHRONIC EFFECTS: No harmful effects expected  
TARGET ORGANS: Not Applicable

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No special requirements.

#### **ECOLOGICAL INFORMATION**

AQUATIC TOXICITY: Acute fish toxicity: LC 50 > 100 mg product/liter  
Acute bacterial toxicity: EC 50 > 100 mg product/liter  
BIODEGRADABILITY: Biodegradable

#### **TRANSPORT INFORMATION**

Not a hazardous material according to RID/ADR, GGVS/GGVE, ADN, IMDG, ICAO-TI/IATA-DGR

#### **REGULATORY INFORMATION**

Palm Kernel / Palm based blended fatty acids/ classified under non-hazardous chemical.

EUROPEAN INFORMATION: Based on toxicological studies I the published literature, there are no risk and and safety phrases to assign this product.

All components of the product are listed on the following inventories:

TSCA (Toxic Substances Control Act)

DSL (Canada)

EINECS/ELINCS (Europe)

AICS (Australia)

"Not listed on CA Prop 65"

NAPA INFORMATION: Health: 1 Flammability: 1 Reactivity: 0

HMIS INFORMATION: Health: 1 Flammability: 1 Reactivity: 0