

**MATERIAL SAFETY DATA SHEET**  
**Stearic Acid TP (Vegetable)**

**SECTION 1. MATERIAL IDENTIFICATION**

**DISTRIBUTOR:** McKinley Resources, Inc.  
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**REVISION DATE:** SEPTEMBER 3, 2009  
**PRODUCT:** STEARIC ACID TP (VEGETABLE)  
**SYNONYMS:** OCTADECANOIC ACID  
**CHEMICAL:** ALIPHATIC ACID  
**CAS NUMBER:** 57-11-4

**SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS**

COMPOSITION	PERCENTAGE	CAS#	PEL/TLV	HAZARD
PALMITIC ACID	53 – 58%	57-10-3	NONE/NONE	NONE NOTED
STEARIC ACID	39 – 45%	57-11-4	NONE/NONE	NONE NOTED
MYRISTIC ACID	3.0% MAXIMUM	544-63-8	NONE/NONE	NONE NOTED
LAURIC ACID	1.0% MAXIMUM	143-07-7	NONE/NONE	NONE NOTED
ARACHIDIC ACID	1.0% MAXIMUM	506-30-9	NONE/NONE	NONE NOTED

**SECTION 3. HAZARDOUS IDENTIFICATION**

**EYE CONTACT:** MAY CAUSE EYE IRRITATION  
**SKIN CONTACT:** UNLIKELY TO CAUSE SKIN IRRITATION  
**INHALATION:** NO SIGNIFICANT EFFECTS EXPECTED FROM A SINGLE, SHORT-TERM USE  
**INGESTION:** LOW INGESTION HAZARD IN NORMAL USE

**SECTION 4. FIRST AID MEASURES**

**INGESTION:** RINSE MOUTH AND DRINK PLENTY OF WATER. SEEK MEDICAL ATTENTION.

**SKIN CONTACT:** REMOVE CONTAMINATED CLOTHING AND WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF SYMPTOMS DEVELOP.

**EYE CONTACT:** IMMEDIATELY FLUSH EYES WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. DO NOT LET VICTIM RUB EYES. SEEK MEDICAL ATTENTION IF SYMPTOMS DEVELOP.

**INHALATION:** SEEK MEDICAL ATTENTION IF SYMPTOMS DEVELOP.

**SECTION 5. FIRE FIGHTING MEASURES**



**FLASH POINT & METHOD USED:** 385°F (196°C) CLOSED CUP  
**AUTO-IGNITION TEMPERATURE:** 743°F (395°C)

**FLAMMABLE LIMITS IN AIR LOWER:** NOT ESTABLISHED  
**FLAMMABLE LIMITS IN AIR UPPER:** NOT ESTABLISHED

**EXTINGUISHING MEDIA:** DRY POWDER, CARBON DIOXIDE OR FOAM, WATER SPRAY.  
**SPECIAL HAZARD:** LIQUID PRODUCT MAY HAVE TEMPERATURES EXCEEDING 50°C.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTION:** AVOID CONTACT WITH SKIN AND EYES.  
**ENVIRONMENTAL PRECAUTION:** DO NOT ALLOW PRODUCT TO FLOW INTO DRAINAGE SYSTEM.

**CLEAN-UP METHODS:** COLLECT PRODUCT AND PLACE IN A SEALED CONTAINER.  
IF LIQUID, ALLOW PRODUCT TO SOLIDIFY THEN SHOVEL INTO CONTAINER.  
WASH SITE WITH SODIUM BICARBONATE SOLUTION OR SODA ASH.  
CLEAN UP AREA IMMEDIATELY. DISPOSE OF PRODUCT IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

## SECTION 7. HANDLING AND STORAGE

**HANDLING:** AVOID OPEN FLAMES.  
USE GLOVES AND WEAR GOGGLES WHEN HANDLING.

**STORAGE:** KEEP IN CLOSED OR COVERED CONTAINERS AND DO NOT STORE NEAR HEAT OR OPEN FLAMES TO PRESERVE THE COLOR AND ODOR CHARACTERISTICS OF THIS PRODUCT.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMIT:** NOT APPLICABLE  
**CONTROL MEASURES:** HANDLE IN THE PRESENCE OF ADEQUATE VENTILATION.

### PERSONAL PROTECTIVE EQUIPMENT

**HAND/SKIN PROTECTION:** USE GLOVES  
**EYE PROTECTION:** WEAR APPROVED SAFETY GOGGLES AND FACE SHIELD.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** WAXY, WHITE CRYSTALLINE SOLID  
**ODOR:** BLAND  
**SOLUBILITY IN WATER:** INSOLUBLE  
**BOILING POINT:** > 300°C  
**MELTING POINT:** 55° - 60°C  
**VAPOR PRESSURE (mmHg @ 131°C):** < 1  
**SPECIFIC GRAVITY (@ 75°C):** 0.849  
**FLASH POINT:** > 200°C (Pensky-Kartens Closed Cup)  
**VISCOSITY (mPa.s @ 65°C):** 256.4 – 284.5

## SECTION 10. STABILITY AND REACTIVITY

**STABILITY:** GENERALLY STABLE

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR  
**CONDITIONS TO AVOID:** AVOID DIRECT FIRE.  
**MATERIALS TO AVOID:** STRONG ALKALIS  
**DECOMPOSITION PRODUCTS:** DECOMPOSITION MAY PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE.

## SECTION 11. TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** LD50 (ORAL, RAT) 10000 mg/kg  
**CARCINOGENICITY:** NONE  
**REPRODUCTIVE EFFECTS:** NONE  
**EFFECTS OF OVER-EXPOSURE:** NO HARMFUL EFFECTS EXPECTED  
**CHRONIC EFFECTS:** NO HARMFUL EFFECTS EXPECTED  
**TARGET ORGANS:** NOT APPLICABLE  
**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** NO SPECIAL REQUIREMENTS

## SECTION 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** ACUTE FISH TOXICITY: LC50 > 100 mg product/liter  
ACUTE BACTERIA TOXICITY: EC 50 > 100 mg product/liter

**BIODEGRADABILITY:** BIODEGRADABLE

## SECTION 13. DISPOSAL CONSIDERATIONS

**METHOD OF DISPOSAL:** DISPOSAL MUST BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

**CONTAMINATED PACKAGING:** EMPTY CONTAINERS RETAIN PRODUCT RESIDUE. OBSERVE ALL HAZARD PRECAUTIONS. DO NOT DISTRIBUTE, MAKE AVAILABLE, FURNISH OR REUSE EMPTY CONTAINER EXCEPT FOR STORAGE AND SHIPMENT OF ORIGINAL PRODUCT. REMOVE ALL PRODUCT RESIDUE FROM CONTAINER BEFORE DISPOSAL.

## SECTION 14. TRANSPORTATION INFORMATION

**DEPARTMENT OF TRANSPORTATION:**  
DOT CLASSIFICATION: NOT REGULATED  
DOT PROPER SHIPPING NAME: -  
OTHER DOT INFORMATION: -

**OTHER REGULATORY REQUIREMENTS:** LISTED IN TSCA INVENTORY  
**CERCLA HAZARDOUS MATERIALS:** NONE NOTED

**SARA HAZARD:** NONE NOTED (SECTION 311/312)  
TITLE III SECTION 313 - NOT LISTED

## SECTION 15. REGULATORY INFORMATION

### INVENTORY STATUS:

USA (TSCA):	COMPLIANT
EU (EINECS):	COMPLAINT
CANADA (DSL):	COMPLIANT
AUSTRALIA (AICS):	COMPLIANT
JAPAN (ENCS):	COMPLIANT
JAPAN (ISHL):	COMPLAINT
CHINA (IECSC):	COMPLIANT
KOREA (ECL):	COMPLIANT
PHILIPPINES (PICCS):	COMPLIANT

## SECTION 16. OTHER INFORMATION

NFPA RATING:	HEALTH (1)	FIRE (1)	REACTIVITY (0)
HMIS RATING:	HEALTH (1)	FIRE (1)	REACTIVITY (0)

### HISTORY

DATE ISSUED:	05/12/1992
REVISION 1:	09/15/1996
REVISION 2:	09/09/2009

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