

# Quality Science Labs, LLC

## Material Safety Data Sheet (MSDS)

### Section 1- Chemical Product and Company Identification

#### Palmitic Acid

Quality Science Labs, LLC  
P.O. Box 159  
32600 Highway 24  
Lake George, CO 80827

Phone number: (866) 700-1884

CHEMTREC Emergency Phone Number: (800) 424-9300

### Section 2- Composition, Information on Ingredients

Palmitic Acid

Synonyms: Hexadecanoic acid; Cetylic acid; 1-Pentadecanecarboxylic acid; Emersol; Hexadecylic acid; Hydrofol; Hystrene; n-Hexadecoic acid

CAS#: 57-10-3

### Section 3- Hazards Identification

White crystalline solid.

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, and of inhalation.

#### QSL At-A-Glance:

Health- 1

Flammability- 0

Reactivity- 0

Exposure- 1

Storage- 1

0 is low hazard, 3 is high hazard

### Section 4- First Aid Measures

Call a physician, seek medical attention for further treatment, observation, and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes. Cover the irritated skin with an emollient.

Internal: Give large quantities of water. Do not induce vomiting. Call a physician or poison control at once.

### **Section 5- Firefighting Measures**

May be combustible at high temperature. Slightly flammable to flammable in presence of heat.

Reactive with oxidizing agents, reducing agents, alkalis.

**Fire Fighting Instructions:** SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

### **NFPA Code:**

None Established

### **Section 6- Accidental Release Measures**

Restrict unprotected personnel from area. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. See Sections 8 and 13 for further information.

### **Section 7- Handling and Storage**

Keep away from heat. Keep away from sources of ignition.

Ground all equipment containing material.

Keep away from incompatibles such as oxidizing agents, reducing agents, alkalis.

Keep container tightly closed.

Keep container in a cool, well-ventilated area.

### **Section 8- Exposure Controls, Personal Protection**

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical resistant apron.

### **Section 9- Physical and Chemical Properties**

White crystalline solid.

Molecular Weight: 256.42 g/mole

Boiling Point: 350°C (662°F)

Melting Point: 61°C (141.8°F) - 64 C.

Specific Gravity: 0.853 (Water = 1)

Solubility: Soluble in diethyl ether, acetone. Practically insoluble in cold water. Sparingly soluble in cold alcohol or petroleum ether.

Freely soluble in hot alcohol, propyl alcohol, chloroform. Soluble in aromatic, chlorinated and oxygenated solvents. Soluble in ethanol.

Water Solubility: 0.82 mg/l

### **Section 10- Stability and Reactivity**

Reactive with oxidizing agents, reducing agents, alkalis.

Shelf Life: Good

**Section 11- Toxicological Information**

Acute effects: Irritant                      ORL-RAT LD50: N.A.  
Chronic effects: N.A.                        IHL-RAT LC50: N.A.  
Target Organs: N.A.                         SKN-RBT LD50: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated

**Section 12- Ecological Information**

Data not yet available.

**Section 13- Disposal Considerations**

Please consult with state and local regulations.

**Section 14- Transport Information**

Shipping Name: Not regulated  
Hazard Class: N/A  
UN Number: N/A

N/A = Not applicable

**Section 15- Regulatory Information**

TSCA-listed, EINECS-listed

**Section 16- Other Information**

This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Quality Science Labs, LLC makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relation thereto. The data is offered solely for your consideration, investigation, and verification. Quality Science Labs, LLC assumes no legal responsibility for use or reliance upon this data.

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**Quality Science Labs, LLC**

***QSL MSDS Prevent Chemical Accidents***

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