

1-Palmitoyl-sn-glycero-3-phosphoethanolamine: sc-208685



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name: 1-Palmitoyl-sn-glycero-3-phosphoethanolamine
Catalog number: sc-208685
Synonyms: [16:0 Lyso PE] [1-Hexadecanoyl-2-hydroxy-sn-glycero-3-phosphethanolamine]
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

Section 2 – Composition/Information on Ingredients

Product Name
1-Palmitoyl-2-hydroxy-sn-glycero-3-phosphethanolamine
CAS No.
53862-35-4
Mol. Formula
C₂₁H₄₄NO₇P
Mol. Weight
453.56 g/mol

Section 3 – Hazards Identification

Emergency Overview

Caution—The toxicological properties of this material have not been thoroughly investigated. May be harmful if swallowed, inhaled or absorbed through skin. May cause eye and skin irritation. Handle with caution.

Potential Health Effects

Chronic	Not available	Eye	May cause eye irritation.
Skin	May cause skin irritation.	Ingestion	Not available.
Inhalation	Not available.	Target Organs	Not available.

Section 4 – First Aid Measures

Product is potentially harmful. Avoid prolonged exposure. Wear protective clothing. If eye or skin contact occurs, wash affected area with water for 15 minutes and seek medical advice. If product is inhaled, move individual to fresh air. If breathing becomes difficult, seek medical advice. If swallowed, rinse mouth out with water provided the person is conscious and seek medical advice.

Section 5 – Firefighting Measures

General Information

As in any fire, wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Extinguishing Media

In case of fire use water spray, carbon dioxide, dry chemical powder or appropriate foam.

Autoignition Temp.

Not available.

Flash Point

Not available.

Section 6 – Accidental Release Measures

Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spills with a appropriate material. Collect and dispose of all waste in accordance with applicable laws.

Section 7 – Handling and Storage

Handling

Avoid ingestion and inhalation. Do not breathe dust. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Storage

Keep container tightly closed when not in use. Store at -20° C. Protect from moisture and light.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls

Use adequate ventilation to keep airborne concentrations low. Safety shower and eye bath.

Exposure Limit

Not available.

Not available.

Personal Protective Equipment

Eyes Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Hand Wear compatible chemical-resistant gloves to prevent skin exposure.

Clothing Wear appropriate protective clothing to prevent exposure.

Respirator Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149.

Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 – Physical and Chemical Properties

Form	Solid	Odor	No characteristic odor.
pH	Not available.	Boiling Point	Does not apply.
Melting Point	Not available.	Solubility other	DMF, DMSO, Chloroform.
Vapor Pressure	Does not apply.	Specific Gravity/Density	Does not apply.
Flash Point	Not available.	Solubility in water	Slight.

Section 10 – Stability and Reactivity

Thermal Decomposition/Stability

Stable.

Hazardous Decomposition Products

No decomposition if used according to specifications

Hazardous Reactions/Polymerization

Avoid moisture and strong oxidizing agents. Polymerization will not occur.

Section 11 – Toxicological Information

RTECS Number

None known

LD50/LC50

None known

Carcinogenicity

None known (Not listed by NTP, IARC or OSHA)

Epidemiology

None known

Teratogen

None known

Neurotoxicity

None known

Section 12 – Ecological Information

Do not allow product to reach ground water or water course.

Section 13 – Disposal Considerations

Observe all federal, state, and local environmental regulations for proper disposal.

Section 14 – Transport Information

Proper Shipping Name

Not determined

Hazard Class

Not determined or This substance is considered to be non-hazardous for transport

Packing Group

Not classified

Identification Number

Not determined

Section 15 – Regulatory Information

US Toxic Substances Control Act (TSCA)

Not listed

Other US Info

Not available

EEC EINECS Number

Not identified

EEC Risk Statements / other

Not determined / none

Section 16 – OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

8/22/2011