

MATERIAL SAFETY DATA SHEET

SECTION I

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Effective Date: 01/20/2010

Revised: N/A

SECTION II – IDENTITY

NAME: 1,2-dioctanoyl-sn-glycero-3-phosphocholine

CATALOG #: D608

MF: C₂₄H₄₈NO₈P

CAS#: 19191-91-4

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview: No known OSHA hazards.

May be harmful by inhalation, ingestion or skin absorption.

May cause eye, skin and respiratory tract irritation.

HMIS Rating: H=0 F=0 P=0; NFPA Rating: H=0 F=0 R=0

SECTION IV - FIRST-AID MEASURES

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If irritation persists, get medical advice/attention. Wash hands after handling.

SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation occurs, seek medical advice.

INHALATION: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

INGESTION: Call a POISON CENTER or doctor/physician. Rinse mouth with water.

SECTION V - FIRE FIGHTING MEASURES

Extinguishing media: water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special firefighting procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosions hazards:

- Emits toxic fumes under fire conditions.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. Collect in a manner that does not create dust and place in a suitable waste container. Avoid contact of material with skin or eyes. Use adequate ventilation.

SECTION VII - HANDLING AND STORAGE

Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

Store at -20°C. Keep tightly closed.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. A qualified industrial hygienist should evaluate the need for respiratory protection. Use respiratory protection approved by NIOSH (or equivalent) and appropriate to the hazard. Avoid contact of material with skin or eyes. Mechanical ventilation or local exhaust as needed to control exposure to dust, vapors or mists. Access to a safety shower and eye-wash.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight: 509.6
Appearance and Odor: White solid
Solubility: Methanol, Chloroform
Melting Point: No data available
Flash Point: No data available
Boiling Point: No data available
Vapor Density: No data available
Specific Gravity: No data available

SECTION X - STABILITY AND REACTIVITY

Stability: Stable.
Incompatibilities: strong oxidizing agents.
Thermal decomposition can lead to release of toxic fumes of: carbon monoxides and carbon dioxide.
Hazardous polymerization: Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION

Acute effects:
May be harmful if swallowed, inhaled, or absorbed through skin.
May cause eye, skin and respiratory tract irritation.
To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

The absence of hazard, toxicity or other information does not imply that the product is safe. Handle all chemicals with due and appropriate caution and under competent supervision. Minimize exposure and contact. Use good manufacturing or laboratory practices.

SECTION XII - ECOLOGICAL INFORMATION

No data available.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste disposal must be in accordance with appropriate Federal, State and local regulations. This product, if permitted by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fire extinguished with this material may be hazardous.

SECTION XIV – TRANSPORT INFORMATION

US DOT / IATA: No applicable information

SECTION XV - REGULATORY INFORMATION

RCRA - No applicable information.
SARA 302 - No applicable information.
SARA 313 - No applicable information.
EPA TSCA Section 8(b) - This chemical substance is **NOT** specifically listed on the EPA TSCA Inventory. It is supplied for research and development use only, by or directly under the supervision of technically qualified individuals. **NOT** for manufacturing or commercial purposes.
Exposure Limits - Not established.
California Proposition 65 - No applicable information.

This bulletin is for your guidance and is based upon information and tests believed to be reliable.
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