

L- α -Lecithin, Egg Yolk, Highly Purified: sc-203096



The Power to Question

MATERIAL SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company/undertaking

Product name	: L-alpha-Lecithin, Egg Yolk, Highly Purified	Catalog #	: sc-203096
Chemical formula	: C42H80NO8P	Supplier	: Santa Cruz Biotechnology, Inc. 2145 Delaware Avenue Santa Cruz, California 95060 800.457.3801 or 831.457.3800
Synonym	: L-alpha-Phosphatidylcholine	Emergency	: ChemWatch Within the US & Canada: 877-715-9305 Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2. Composition / information on ingredients

Substance/Preparation : Substance

Chemical name*	CAS No.	EC Number	Symbol	R-Phrases
1) L-alpha-Phosphatidylcholine	8002-43-5	232-307-2	F, T	R11, R23/24/25, R38, R40

3. Hazards identification

Physical/chemical hazards	: Highly flammable.
Human health hazards	: WARNING! HIGHLY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. HARMFUL IF INHALED, ABSORBED THROUGH SKIN OR SWALLOWED. MAY CAUSE SKIN IRRITATION. MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: LUNGS, GASTROINTESTINAL TRACT, SKIN. POSSIBLE CANCER HAZARD CONTAINS MATERIAL WHICH MAY CAUSE CANCER BASED ON ANIMAL DATA. CONTAINS MATERIAL WHICH MAY CAUSE HERITABLE GENETIC EFFECTS BASED ON ANIMAL DATA.

4. First-aid measures

First-Aid measures

Inhalation	: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Skin Contact	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
Eye Contact	: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Effects and symptoms	
Inhalation	: Very hazardous in case of inhalation. May be fatal if inhaled.
Ingestion	: Very hazardous in case of ingestion. May be fatal if swallowed.
Skin Contact	: Very hazardous in case of skin contact (permeator). Hazardous in case of skin contact (irritant). Severe over-exposure can result in death. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Aggravating conditions	: Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

5. Fire-fighting measures

Flammability of the Product	: Flammable.
Extinguishing Media	
Suitable	: Flammable liquid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

- Hazardous thermal (de)composition products** : These products are nitrogen oxides (NO, NO₂...).
- Special fire-fighting procedures** : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Protection of fire-fighters** : Be sure to use an approved/certified respirator or equivalent.

6. Accidental release measures

- Personal precautions** : Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
- Small Spill and Leak** : Absorb with an inert material and put the spilled material in an appropriate waste disposal.
- Large Spill and Leak** : Flammable liquid. Poisonous liquid.
Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

7. Handling and storage

- Handling** : Keep locked up. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, reducing agents, metals, acids, alkalis.
- Storage** : Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Do not store above -20°C (-4°F).
- Packaging materials**
- Recommended use** : Use original container.

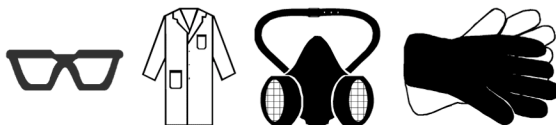
8. Exposure controls/personal protection

- Engineering measures** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- Hygiene measures** : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

<u>Ingredient Name</u>	<u>Occupational Exposure Limits</u>
1) L-alpha-Lecithin, Egg Yolk, Highly Purified	Not available.

Personal protective equipment

- Respiratory system** : Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
- Skin and body** : Lab coat.
- Hands** : Gloves.
- Eyes** : Safety glasses.
- Protective Clothing (Pictograms)** :



9. Physical and chemical properties

- Physical state** : Liquid. (Supplied in CHCl₃:MeOH (3:2, v/v).)
- Molecular Weight** : 758.06
- Solubility** : Not available.
- Flash point** : Not available.
- Explosive properties** : Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

10. Stability and reactivity

Stability	: The product is stable.
Conditions to avoid	: Not available.
Materials to avoid	: Reactive with oxidizing agents, reducing agents, metals, acids, alkalis.
Hazardous Decomposition Products	: These products are nitrogen oxides (NO, NO2...).

11. Toxicological information

RTECS #	: FS9100000 (Chloroform) PC1400000 (Methanol)
Local effects	
Skin irritation	: Hazardous in case of skin contact (irritant).
Acute toxicity	: WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 695 mg/kg [Rat]. Acute dermal toxicity (LD50): 15800 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 47702 mg/m ³ 4 hours [Rat].
Chronic toxicity	: Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
Other Toxic Effects on Humans	: Toxic for humans or animal life. Very hazardous in case of skin contact (permeator), of ingestion, of inhalation. Hazardous in case of skin contact (irritant). Not available. To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.
Carcinogenic effects	: Not available.
Mutagenic effects	: Not available.
Reproduction toxicity	: Not available.
Teratogenic effects	: Not available.

12. Ecological information

Ecotoxicity	: Not available.
Toxicity of the Products of Biodegradation	: The products of degradation are less toxic than the product itself.

13. Disposal considerations

Methods of disposal; Waste of residues; Contaminated packaging	: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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14. Transport information

International transport regulations

UN number	: UN1992
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Land - Road/Railway

Proper shipping name	: Flammable liquid, toxic, n.o.s.*
ADR/RID Class	: CLASS 3: Flammable liquid A. CLASS 6.1: Toxic substance.
Packing Group	: II
ADR/RID label	:



Sea	
Proper shipping name	: Flammable liquid, toxic, n.o.s.*
IMDG Class	: CLASS 3.1: Flammable liquid (Low flashpoint group of liquids having a flashpoint below -18°C (0°F) c.c.). CLASS 6.1: Toxic substance.
Packing Group	: II
IMDG label	:



Air

Proper shipping name : Flammable liquid, toxic, n.o.s.*
UN/ID Number : UN1992
IATA-DGR Class : CLASS 3: Flammable liquid.
IATA label :



Special Provisions for Transport : Not available.

15. Regulatory information

EU Regulations

Hazard symbol(s)



Classification : Highly flammable, Toxic

Risk Phrases

: R11- Highly flammable.
R23/24/25- Toxic by inhalation, in contact with skin and if swallowed.
R38- Irritating to skin.
R68- Possible risks of irreversible effects.

Safety Phrases

: S7- Keep container tightly closed.
S16- Keep away from sources of ignition - No smoking.
S36/37- Wear suitable protective clothing and gloves.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains

: - L-alpha-Lecithin, Egg Yolk, Highly Purified

U.S. Federal Regulations

: TSCA 8(b) inventory: L-alpha-Lecithin, Egg Yolk, Highly Purified
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
SARA 313 toxic chemical notification and release reporting: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean air act (CAA) 112 accidental release prevention: No products were found.
Clean air act (CAA) 112 regulated flammable substances: No products were found.
Clean air act (CAA) 112 regulated toxic substances: No products were found.

HCS Classification

: CLASS: Flammable liquid having a flash point lower than 37.8°C (100°F).
CLASS: Toxic.
CLASS: Irritating substance.
CLASS: Target organ effects.

State Regulations

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WHMIS (Canada)

: CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).
CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
CEPA DSL: L-alpha-Lecithin, Egg Yolk, Highly Purified

16. Other information

Hazardous Material
Information System
(U.S.A.)

Health	*	3
Fire Hazard		1
Reactivity		0
Personal Protection		g

National Fire
Protection
Association (U.S.A.)



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.