SAFETY DATA SHEET

Version: v2
Revision Date: 2025-12-30
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SECTION 1:Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name	: 3-sn-Phosphatidylethanolamine solution
Product Number	: S432685
Brand	: aladdin
CAS-No.	: 39382-08-6

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	: Laboratory chemicals,Manufacture of substances.

1.3 Company

Company	: ALADDIN SCIENTIFIC CORPORATION
Address	: 14078 Meridian Parkway,
Riverside, CA. 92518	
Telephone	: +1 (833) 552-7181
Fax	: no data available

1.4 Emergency telephone number

CHEMTREC®, Inside the USA	: 1-800-424-9300
CHEMTREC®, Outside the USA	:

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity (oral): Category 4
Acute toxicity (inhalation): Category 3
Skin corrosion/irritation: Category 2
Serious eye injury/eye irritation: Category 2A
Carcinogenicity: Category 2
Reproductive toxicity: Category 2
Specific target organ systemic toxicity (single exposure): Category 3 (anesthetic effects)
Specific target organ systemic toxicity (repeated exposure): Category 1

Acute (short-term) aquatic hazard: Category 3

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal word Danger

Hazard statement(s)

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash hands [and ...] thoroughly after handling.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.
P301+P312+P330	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P304+P340+P311	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Synonyms	: L-α-Cephalin
Formula	: no data available
Molecular weight	: no data available

Component	Classification	Concentration
Chloroform		
CAS-No. : 67-66-3 EC-No. : 200-663-8	Acute Toxicity Category 4; Acute Toxicity Category No 3; Skin corrosion/irritation category 2; Serious eye damage/eye irritation category 2A; Carcinogenicity Category 2; Reproductive toxicity Category 2; Specific target organ system toxicity (One contact) Category 3; Specificity Target organ system toxicity (repeated exposure) Category 1; Acute (short-term) aquatic hazard Category 3; H302, H331, H315, H319, H351, H361, H336, H372, H402 Concentration limit: 20 %: STOT SE 3, H336;	
L-α-Phosphatidylethanolamine from Glycine max (soybean)		
CAS-No. : 39382-08-6 EC-No. :	H302 Harmful if swallowed. H315 causes skin irritation. H319 causes severe eye irritation. H331 Inhalation can cause poisoning. H336 may cause drowsiness or dizziness. H351 Suspected of causing cancer. H361 Suspected of causing harm to fertility or the fetus. H372 Long term or repeated exposure can cause damage to organs. H402 is harmful to aquatic organisms.	

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required. Keep eye wide open while rinsing.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media
no data available

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Hydrogen chloride gas

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in cool place. Recommended storage temperature -20 °C

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

Skin protection

Gloves must be checked before use. Please use proper methods to remove the gloves (do not touch the outer surface of the gloves), and avoid any skin parts contacting the product. After use, please handle the contaminated gloves carefully according to relevant laws and regulations and effective laboratory rules and procedures. Please clean and blow dry the protective gloves selected for your hands must meet the specifications given in regulation (EU) 2016 / 425 and the en 374 standard derived from it.

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-

purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	no data available
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties N	no data available
t) Oxidizing properties N	no data available

9.2 Other safety information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

Light.

10.5 Incompatible materials

strong base strong oxidizing agent lithium Sodium/Sodium Oxide magnesium

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral: No data available
Acute toxicity estimate orally -917.17 mg/kg (calculation method)
LD50 Oral - Rat - Male -908 mg/kg (Trichloromethane) (OECD Test Guideline 401)
Acute toxicity estimate inhalation -4 h -3.13 mg/l - vapor (calculation method)
LC50 inhalation - rat -6 h -9.17 mg/l - vapor (chloroform)
Acute toxicity estimate inhalation - expert judgment -4 h -3.1 mg/l - vapor (chloroform)
Transcutaneous: No data available

Skin corrosion/irritation

skin -Domestic rabbits (Trichloromethane)) Result: Skin irritation . - 24 h Remarks: (ECHA) Note: Causes rough skin or The drying effect of cracking . skin -Domestic rabbits (Trichloromethane)) Result: Mild irritation Note: (IUCLID)

Serious eye damage/eye irritation

eye -Domestic rabbits (Trichloromethane)) Result: Eye irritation . Remarks: (ECHA) Note: (EC Regulation No. 1272/2008 (EC) Regulation Appendix VI)

Respiratory or skin sensitisation

Maximum response test - pig mouse (Trichloromethane)) Result: Negative (Regulation (EC) No. 440/2008, Annex B.6))

Germ cell mutagenicity

Test type: Ames test (chloroform) Test system: Escherichia coli/Salmonella typhimurium Metabolic activation: with or without metabolic activation Result: negative Remarks: (ECHA) Test type: out of period DNA synthesis test

(chloroform) Test system: liver metabolic activation: no metabolic activation Result: negative Remarks: (ECHA) (chloroform) Test type: micronucleus test Species: rat cell type: Red blood cells (erythrocytes) Infection route: oral method: OECD testing guidelines 474 Result: negative (trichloromethane) Test type: out of period DNA synthesis test Species: rat cell type: liver cell Infection route: oral method: OECD testing guidelines 486 Result: negative (Trichloromethane) Test Type: In vivo Test Species: Mice Exposure Route: Inhalation Result: Negative Remarks: (ECHA)

Carcinogenicity

Suspected of causing cancer. (Trichloromethane)

Reproductive toxicity

Suspected of causing harm to the fetus. (Trichloromethane)

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness. (Trichloromethane)

Specific target organ toxicity - repeated exposure

Long term or repeated exposure can cause damage to organs. -Liver, kidney

Aspiration hazard

no data available

Additional Information

Repeated toxicity - rat - female - oral - level with no observed harmful effects -34 mg/kg
(Trichloromethane)
Vomiting, gastrointestinal dysfunction, and exposure or ingestion of ethanol may increase toxicity. To our knowledge, the chemical, physical, and toxic properties of this substance are still unknown
Not fully researched.
(Trichloromethane)
Vomiting, coughing, irritant effects, shortness of breath, respiratory arrest, anesthesia, dizziness, nausea, excitement, spasms
Drunk, headache, stomach/intestinal dysfunction
Disorder, movement disorders (disrupting coordination of movements), cardiovascular disorders (trichloromethane)
The drying effect that causes rough or cracked skin (Trichloromethane)
To our knowledge, the chemical, physical, and toxic properties of this substance have not been fully studied.
(Trichloromethane)

SECTION 12: Ecological information

12.1 Toxicity

no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

no data available

SECTION 13:

13.1 Disposal considerations

Product

Recycle to process, if possible. Consult your local regional authorities and an expert of disposal. You may be able to dissolve or mix material with a combustible solvent and little by little burn in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of the substance is burned at a time, an explosion may occur. Observe all federal, state and local regulations when disposing of the substance.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

UN number: 1888	Packing group: III	Class: 6.1
Proper shipping name: CHLOROFORM, SOLUTION	Reportable Quantity(RQ):no data available	Poison Inhalation Hazard:no data available
Environmental Hazards: no		

IMDG

UN number: 1888	Packing group: III	EMS-No:no data available
Proper shipping name: CHLOROFORM, SOLUTION		

IATA

UN number: 1888	Packing group: III	Class: 6.1
Proper shipping name: CHLOROFORM, SOLUTION		

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 16: Other information

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Disclaimer

 The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aladdin Co. Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.