

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Immunodox®- NHS (PEGylated) (Post-insertion) (Vial 1 of 3)
Product Number:	IMD-1004
Brand:	IMMUNODOX®
Company Address:	ENCAPSULA NANOSCIENCES LLC 5409 Maryland Way, Suite 360 Brentwood, TN, 37027
Technical Phone:	615-884-4442
Fax:	615-250-8747
Emergency Phone:	615-438-8553

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS#	Percent
Water	7732-18-5	>90
Sodium chloride	7647-14-5	<5
Potassium chloride	7447-40-7	<5
Disodium phosphate	7558-79-4	<5
Potassium phosphate	7758-11-4	<5
Ammonium sulfate	7783-20-2	<5
Doxorubicin hydrochloride	25316-40-9	<5
L- α -phosphatidylcholine, hydrogenated	97281-48-6	<5
Cholesterol	57-88-5	<5

3. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Carcinogenicity (Category 1B), H350

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Pictogram



Signal word: Danger

HAZARD STATEMENTS

Acute Tox.	Acute toxicity
Carc.	Carcinogenicity
Eye Irrit.	Eye irritation
H302	Harmful if Swallowed
H350	May cause cancer
H315	Causes skin irritation
H319	Causes serious eye irritation
Skin Irrit.	Skin irritation

PRECAUTIONARY STATEMENTS

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read
P264	Wash skin after handling
P270	Do not consume food or drink or indulge in smoking while using this product
P280	Wear protective gear when handling
P301, P312	If swallowed call poison center
P302, P352	If on skin wash skin thoroughly
P305, P351, P338	If in eyes rinse thoroughly
P308, P313	If exposed or concerned: get medical advice and/or attention
P321	Specific treatment
P330	Rinse mouth
P332, P313	If skin irritation occurs get medical advice
P337, P313	If eye irritation occurs get medical advice
P362	Take off contaminated clothes and wash before reuse
P405	Store in lock up
P501	Dispose of contents in waste disposal plant

HMIS RATING

HEALTH HAZARDS:	2
FLAMMABILITY:	0
CHRONIC HEALTH HAZARDS:	*
PHYSICAL HAZARDS:	0

NFPA RATING

HEALTH HAZARD:	2
FLAMMABILITY:	0
REACTIVITY:	0

POTENTIAL HEALTH EFFECTS

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

4. FIRST AID MEASURES



ORAL EXPOSURE

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.



INHALATION EXPOSURE

If inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen. Consult a physician.



DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water. Contact a physician.



EYE EXPOSURE

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Contact a physician.

5. FIRE FIGHTING MEASURES



FLAMMABILITY

Not flammable or combustible.

EXTINGUISHING MEDIA

It is suitable to use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

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

HAZARDOUS COMBUSTION PRODUCTS

Hazardous decomposition products formed under fire conditions, carbon oxides, nitrogen oxides and sulphur oxides.

6. ACCIDENTAL RELEASE MEASURES



METHODS FOR CLEANING UP

Absorb any spilled material quickly using absorbent pads. Wipe area to remove as much of the liquid as possible. Apply bleach to the affected area and let sit for several hours. Clean the affected area thoroughly with soap and water to remove the bleach. Collect all cleanup materials and dispose of them in accordance with local, state and federal waste disposal laws.

ENVIRONMENTAL PRECAUTIONS

Do not let product enter drains. If safe to do so prevent further leakages or spills.

PERSONAL PRECAUTIONS

Use personal protective equipment. Avoid breathing in vapors, mist or gas. Ensure adequate ventilation. Prepare evacuation sites.

7. HANDLING AND STORAGE



HANDLING

User Exposure: Do not breathe vapor. Do not get in eyes, on skin, on clothing. Wash hands thoroughly after handling.

STORAGE

Suitable: Keep in tightly closed container. Store in temperature between approximately 2-8 °C. Do not freeze.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION



ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

Contains no substances with occupational exposure limit values



PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where protection is desired, use full face respirator type N100 (US) or type P3 (EN 143) as back up to engineering controls.

Hand: Compatible chemical-resistant gloves

Eye: Chemical safety goggles with side shades conforming to EN166. Use equipment approved under government standards NIOSH (US) or EN 166(EU).

Skin and Body: Wear a complete suit protecting against chemicals.



FULL CONTACT

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

SPLASH CONTACT

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

GENERAL HYGIENE MEASURES

Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Prepare all materials under the fume hood and avoid generating aerosols.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Translucent red liquid
Safety data	pH 7.4
Melting point	N/A
Boiling point	N/A
Flash point	N/A
Ignition Temperature	N/A
Lower explosion limit	N/A
Upper Explosion limit	N/A
Water Solubility	N/A
Density	N/A

10. STABILITY AND REACTIVITY

STORAGE STABILITY

Store under recommended conditions. At 4 °C in refrigerator.

MATERIALS TO AVOID

Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous decomposition products formed under fire conditions- Carbon oxides, nitrogen oxides, sulphur oxides.

11. TOXICOLOGICAL INFORMATION

This product contains a component that has been reported to be carcinogenic based on its IARC, OHSA, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the IARC.

OHSA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the OHSA.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the ACGIH.

EPA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the EPA.

ACUTE TOXICITY

Oral LD50- mouse rat-698 mg/kg,

Symptoms: Sense organs and special senses (eye-lacrimation; muscle weakness; diarrhea)

ROUTE OF EXPOSURE

<u>Skin Contact:</u>	May cause skin irritation. May cause harm if absorbed.
<u>Germ Cell Mutagenicity:</u>	N/A
<u>Eye Contact:</u>	May cause eye irritation
<u>Inhalation:</u>	Can cause respiratory tract irritation if inhaled.
<u>Ingestion:</u>	May cause harm if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

Dehydration, congestion, vomiting, or diarrhea may occur. May also produce inflammatory reactions in the gastrointestinal tract.

CARCINOGENICITY

This product is or contains a component that has been reported to be probably carcinogenic on its IARC, OSHA, NTP or EPA classification.

REPRODUCTIVE TOXICITY

N/A

SPECIFIC TARGET ORGAN TOXICITY- SINGLE OR REPEATED

N/A

ASPIRATION HAZARDS

N/A

ADDITIONAL INFORMATION

RTECS Q19295900

To the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated

LIVER- Irregularities based on human evidence

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)	N/A
Ecotoxicity effects	N/A
Further information on ecology	N/A

13. DISPOSAL CONSIDERATIONS

PRODUCT

Observe all federal, state, and local environment regulations. Contact a licensed professional waste disposal service to remove this material. Dissolve or mix the material with a combustible solvent and burn chemical in incinerator equipped with an afterburner and scrubber.

CONTAMINATED PACKAGING

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US) Not dangerous goods

IMDG Not dangerous goods

IATA Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 COMPONENTS

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 COMPONENTS

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed threshold (De Minimis) reporting levels established by SARA Title III, Section 313

SARA 311/312 HAZARDS

Acute health hazards, chronic health hazards

MASSACHUSETTS RIGHT TO KNOW COMPONENTS

	CAS-No.	Revision Date
Ammonium sulfate	7783-20-2	1993-04-24

PENNSYLVANIA RIGHT TO KNOW COMPONENTS

	CAS-No.	Revision Date
Water	7732-18-5	
Sodium chloride	7647-14-5	
Potassium chloride	7447-40-7	
Disodium phosphate	7558-79-4	
Potassium phosphate	7758-11-4	
Ammonium sulfate	7783-20-2	1993-04-24
Doxorubicin hydrochloride	25316-40-9	1989-08-11
L- α -phosphatidylcholine, hydrogenated	97281-48-6	
Cholesterol	57-88-5	

NEW JERSEY RIGHT TO KNOW COMPONENTS

	CAS-No.	Revision Date
Water	7732-18-5	
Sodium chloride	7647-14-5	
Potassium chloride	7447-40-7	
Disodium phosphate	7558-79-4	
Potassium phosphate	7758-11-4	
Ammonium sulfate	7783-20-2	1993-04-24
Doxorubicin hydrochloride	25316-40-9	1989-08-11
L- α -phosphatidylcholine, hydrogenated	97281-48-6	
Cholesterol	57-88-5	

CALIFORNIA PROP. 65 COMPONENTS

	CAS-No.	Revision Date
Doxorubicin hydrochloride	25316-40-9	1989-08-11

WARNING! This product is high product contains a chemical known to the state of California to cause cancer. 2008-06-17

WARNING! This product is high product contains a chemical known to the state of California to cause birth defects or other reproductive harm. 2008-06-17

16. OTHER INFORMATION

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The above information is believed to be correct but does not support 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. Encapsula NanoSciences LLC shall not be held liable for any damage resulting from handling or from contact with the above product.



1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	DSPE-PEG(2000)-NHS (Vial 2 of 3)
Product Number:	N/A
Brand:	Part of IMMUNOSOME®, IMMUNODOX® and IMMUNOFLUOR® Post-insertion kits
Company Address:	ENCAPSULA NANOSCIENCES LLC 5409 Maryland Way, Suite 360 Brentwood, TN, 37027
Technical Phone:	615-884-4442
Fax:	615-250-8747
Emergency Phone:	615-438-8553

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS#	Percent
3-(N-succinimidylxyglutaryl)aminopropyl, polyethyleneglycol-carbamyl distearoylphosphatidyl-ethanolamine	N/A	100

3. HAZARDS IDENTIFICATION

OSHA

No known OSHA hazards.

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Not a hazardous substance or mixture.

HMIS RATING

HEALTH HAZARDS:	0
FLAMMABILITY:	0
CHRONIC HEALTH HAZARDS:	0
PHYSICAL HAZARDS:	0

NFPA RATING

HEALTH HAZARD:	0
FLAMMABILITY:	0
REACTIVITY:	0

POTENTIAL HEALTH EFFECTS

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

4. FIRST AID MEASURES

**ORAL EXPOSURE**

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**INHALATION EXPOSURE**

If inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

**DERMAL EXPOSURE**

In case of contact, immediately wash skin with soap and copious amounts of water. Contact a physician.

**EYE EXPOSURE**

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Contact a physician.

5. FIRE FIGHTING MEASURES

FLAMMABILITY

Not flammable or combustible.

EXTINGUISHING MEDIA

It is suitable to use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.



SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

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

HAZARDOUS COMBUSTION PRODUCTS

Hazardous decomposition products formed under fire conditions, carbon oxides, nitrogen oxides and hydrogen chloride gas.

6. ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP

Sweep up and shovel. Keep in suitable, closed containers for disposal.

ENVIRONMENTAL PRECAUTIONS

Do not let product enter drains.



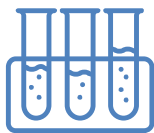
PERSONAL PRECAUTIONS

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas.

7. HANDLING AND STORAGE

HANDLING

User Exposure: Provide appropriate exhaust ventilation at places where dust is formed.



STORAGE

Keep container tightly closed in a dry and well-ventilated place,
Recommended storage temperature: -20 °C.
Strongly hygroscopic. Keep in a dry place.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS

Appropriate industrial hygiene.



PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



Hand: Compatible chemical-resistant gloves.

Eye: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).



Skin and Body: Wear a complete suit protecting against chemicals, if desired.

GENERAL HYGIENE MEASURES

Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder, lyophilized
Safety data	N/A
Melting point	N/A
Boiling point	N/A
Flash point	N/A
Ignition temperature	N/A
Lower explosion limit	N/A
Upper explosion limit	N/A
Water solubility	N/A
Density	N/A

10. STABILITY AND REACTIVITY

STORAGE STABILITY

Stable under recommended conditions.

MATERIALS TO AVOID

Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous decomposition products formed under fire conditions- Carbon oxides, nitrogen oxides and hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the IARC.

OHSA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the OHSA.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the ACGIH.

EPA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the EPA.

ACUTE TOXICITY

No data available

Irritation and Corrosion

No data available

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation

Skin Absorption: May be harmful if absorbed through the skin

Eye Contact: May cause eye irritation

Inhalation: Materials may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)	N/A
Ecotoxicity effects	N/A
Further information on ecology	N/A

13. DISPOSAL CONSIDERATIONS

PRODUCT

Observe all federal, state, and local environment regulations. Contact a licensed professional waste disposal service to remove this material.

CONTAMINATED PACKAGING

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US) Not dangerous goods

IMDG Not dangerous goods

IATA Not dangerous goods

15. REGULATORY INFORMATION

OSHA HAZARDS

No known OSHA hazards

SARA 302 COMPONENTS

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 COMPONENTS

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed threshold (De Minimis) reporting levels established by SARA Title III, Section 313

SARA 311/312 HAZARDS

No SARA hazards

MASSACHUSETTS RIGHT TO KNOW COMPONENTS

This product does not contain any chemicals known to the state of MA to cause cancer, birth, or other reproductive defects.

PENNSYLVANIA RIGHT TO KNOW COMPONENTS

	CAS-No.	Revision Date
3-(N-succinimidylxyglutaryl)aminopropyl, polyethyleneglycol-carbamyl distearoylphosphatidyl-ethanolamine	N/A	

NEW JERSEY RIGHT TO KNOW COMPONENTS

	CAS-No.	Revision Date
3-(N-succinimidyloxyglutaryl)aminopropyl, polyethyleneglycol-carbamyl distearoylphosphatidyl -ethanolamine	N/A	

CALIFORNIA PROP. 65 COMPONENTS

This product does not contain any chemicals known to the state of CA to cause cancer, birth, or other reproductive defects.

16. OTHER INFORMATION

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The above information is believed to be correct but does not support 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. Encapsula NanoSciences LLC shall not be held liable for any damage resulting from handling or from contact with the above product.



Safety Data Sheet

Version 2.2

Revision Date: 03/21/2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	DSPE-PEG (2000) (Vial 3 of 3)
Product Number:	N/A
Brand:	Part of IMMUNOSOME®, IMMUNODOX® and IMMUNOFLUOR® Post-insertion kits
Company Address:	ENCAPSULA NANOSCIENCES LLC 5409 Maryland Way, Suite 360 Brentwood, TN, 37027
Technical Phone:	615-884-4442
Fax:	615-250-8747
Emergency Phone:	615-438-8553

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS#	Percent
1,2-distearoyl- <i>sn</i> -glycero-3-phosphoethanolamine-N-[methoxy(polyethylene glycol)-2000] (ammonium salt)	474922-77-5	100

3. HAZARDS IDENTIFICATION

OSHA

No known OSHA hazards.

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Not a hazardous substance or mixture.

HMIS RATING

HEALTH HAZARDS:	0
FLAMMABILITY:	0
CHRONIC HEALTH HAZARDS:	0
PHYSICAL HAZARDS:	0

NFPA RATING

HEALTH HAZARD:	0
FLAMMABILITY:	0
REACTIVITY:	0

POTENTIAL HEALTH EFFECTS

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

4. FIRST AID MEASURES

**ORAL EXPOSURE**

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**INHALATION EXPOSURE**

If inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

**DERMAL EXPOSURE**

In case of contact, immediately wash skin with soap and copious amounts of water. Contact a physician.

**EYE EXPOSURE**

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Contact a physician.

5. FIRE FIGHTING MEASURES

FLAMMABILITY

Not flammable or combustible.

EXTINGUISHING MEDIA

It is suitable to use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.



SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

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

HAZARDOUS COMBUSTION PRODUCTS

Hazardous decomposition products formed under fire conditions, carbon oxides, nitrogen oxides and hydrogen chloride gas.

6. ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP

Sweep up and shovel. Keep in suitable, closed containers for disposal.

ENVIRONMENTAL PRECAUTIONS

Do not let product enter drains.



PERSONAL PRECAUTIONS

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas.

7. HANDLING AND STORAGE

HANDLING

User Exposure: Provide appropriate exhaust ventilation at places where dust is formed.



STORAGE

Keep container tightly closed in a dry and well-ventilated place,
Recommended storage temperature: -20 °C.
Strongly hygroscopic. Keep in a dry place.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS

Appropriate industrial hygiene.



PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



Hand: Compatible chemical-resistant gloves

Eye: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).



Skin and Body: Wear a complete suit protecting against chemicals, if desired.

GENERAL HYGIENE MEASURES

Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder, lyophilized
Safety data	N/A
Melting point	N/A
Boiling point	N/A
Flash point	N/A
Ignition temperature	N/A
Lower explosion limit	N/A
Upper explosion limit	N/A
Water solubility	N/A
Density	N/A

10. STABILITY AND REACTIVITY

STORAGE STABILITY

Store under recommended conditions.

MATERIALS TO AVOID

Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous decomposition products formed under fire conditions- Carbon oxides, nitrogen oxides and hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the IARC.

OHSA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the OHSA.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the ACGIH.

EPA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the EPA.

ACUTE TOXICITY

No data available

Irritation and Corrosion

No data available

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation

Skin Absorption: May be harmful if absorbed through the skin

Eye Contact: May cause eye irritation

Inhalation: Materials may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)	N/A
Ecotoxicity effects	N/A
Further information on ecology	N/A



13. DISPOSAL CONSIDERATIONS

PRODUCT

Observe all federal, state, and local environment regulations. Contact a licensed professional waste disposal service to remove this material.

CONTAMINATED PACKAGING

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US) Not dangerous goods

IMDG Not dangerous goods

IATA Not dangerous goods

15. REGULATORY INFORMATION

OSHA HAZARDS

No known OSHA hazards

SARA 302 COMPONENTS

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 COMPONENTS

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed threshold (De Minimis) reporting levels established by SARA Title III, Section 313

SARA 311/312 HAZARDS

No SARA hazards

MASSACHUSETTS RIGHT TO KNOW COMPONENTS

This product does not contain any chemicals known to the state of MA to cause cancer, birth, or other reproductive defects.

PENNSYLVANIA RIGHT TO KNOW COMPONENTS

	CAS-No.	Revision Date
1,2-distearoyl- <i>sn</i> -glycero-3-phosphoethanolamine-N-[methoxy(polyethylene glycol)-2000] (ammonium salt)	474922-77-5	

NEW JERSEY RIGHT TO KNOW COMPONENTS

	CAS-No.	Revision Date
1,2-distearoyl- <i>sn</i> -glycero-3-phosphoethanolamine-N-[methoxy(polyethylene glycol)-2000] (ammonium salt)	474922-77-5	

CALIFORNIA PROP. 65 COMPONENTS

This product does not contain any chemicals known to the state of CA to cause cancer, birth, or other reproductive defects.

16. OTHER INFORMATION

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