

Page: 1 of 6

Revision: 04/24/2015 Supersedes Revision: 04/04/2011

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Code: 765010

Product Name: sPLA2 Assay Buffer (10X)

Synonyms: Secretory Phospholipase A2 Assay Buffer (10X);

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

Relevant identified uses: For research use only, not for human or veterinary use.

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: Cayman Chemical Company

1180 E. Ellsworth Rd. Ann Arbor, MI 48108

Web site address: www.caymanchem.com

Information: Cayman Chemical Company +1 (734)971-3335

1.4 Emergency telephone number:

Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300

CHEMTREC Outside USA and Canada: +1 (703)527-3887

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:

Skin Corrosion/Irritation, Category 3

2.2 Label Elements:

2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:

GHS Signal Word: Warning

GHS Hazard Phrases:

H316: Causes mild skin irritation.

GHS Precaution Phrases:

No phrases apply.

GHS Response Phrases:

P332+313: If skin irritation occurs, get medical advice/attention.

GHS Storage and Disposal Phrases:

Please refer to Section 7 for Storage and Section 13 for Disposal information.

2.3 Adverse Human Health Causes mild skin irritation.

Effects and Symptoms: Material may be irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin absorption.

May cause eye or respiratory system irritation.

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

Section 3. Composition/Information on Ingredients

| CAS#/ RTECS# | Hazardous Components (Chemical Name)/ REACH Registration No. | Concentration | EC No./ EC Index No. | GHS Classification |
|-------------------------|--|---------------|-------------------------|--|
| 77-86-1 TY2900000 | Trizma base | 3.03 % | 201-064-4 NA | Skin Corr. 2: H315 Eye Damage 2: H319 STOT (SE) 3: H335 H336 |
| 10035-04-8 EV9810000 | Calcium chloride | 1.47 % | NA NA | Eye Damage 2: H319 |



Revision: 04/24/2015

Supersedes Revision: 04/04/2011

| 7447-40-7 TS8050000 | Potassium chloride | 7.46 % | 231-211-8 NA | Acute Tox.(O) 5: H303 Aquatic (A) 3: H402 |
|------------------------|--------------------|---------|-----------------|---|
| 9002-93-1 YM0616666 | Triton X-100 | 0.19 % | NA NA | Acute Tox.(O) 4: H302 Eye Damage 1: H318 Skin Corr. 3: H316 Aquatic (C) 2: H411 Aquatic (A) 2: H401 |
| 7732-18-5 ZC0110000 | Water | 87.85 % | 231-791-2 NA | No data available. |

Section 4. First Aid Measures

4.1 Description of First Aid No data available.

Measures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel.

Get immediate medical attention.

In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated

clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined

and tested by medical personnel.

In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an

unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by

medical personnel.

Section 5. Fire Fighting Measures

5.1 Suitable Extinguishing Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

Media: Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing A solid water stream may be inefficient.

Media:

5.2 Flammable Properties and No data available.

Hazards:

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

5.3 Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or

equivalent), and full protective gear to prevent contact with skin and eyes.

Section 6. Accidental Release Measures

6.1 Protective Precautions, Avoid breathing vapors and provide adequate ventilation.

Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,

Emergency Procedures: and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

6.2 Environmental Take steps to avoid release into the environment, if safe to do so.

Precautions:

6.3 Methods and Material For Contain spill and collect, as appropriate.

Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.

Up:



Page: 3 of 6

Revision: 04/24/2015 Supersedes Revision: 04/04/2011

Section 7. Handling and Storage

7.1 Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.

in Handling: Avoid prolonged or repeated exposure.

7.2 Precautions To Be Taken Keep container tightly closed.

in Storing: Store in accordance with information listed on the product insert.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

| CAS# | Partial Chemical Name | Britain EH40 | France VL | Europe |
|------------|-----------------------|--------------|-----------|--------------|
| 77-86-1 | Trizma base | No data. | No data. | No data. |
| 10035-04-8 | Calcium chloride | No data. | No data. | No data. |
| 7447-40-7 | Potassium chloride | No data. | No data. | No data. |
| 9002-93-1 | Triton X-100 | No data. | No data. | No data. |
| 7732-18-5 | Water | No data. | No data. | No data. |
| CAS# | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
| 77-86-1 | Trizma base | No data. | No data. | No data. |
| 10035-04-8 | Calcium chloride | No data. | No data. | No data. |
| 7447-40-7 | Potassium chloride | No data. | No data. | No data. |
| 9002-93-1 | Triton X-100 | No data. | No data. | No data. |
| 7732-18-5 | Water | No data. | No data. | No data. |

8.2 Exposure Controls:

8.2.1 Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne

(Ventilation etc.): levels below recommended exposure limits.

8.2.2 Personal protection equipment:

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Respiratory Equipment NIOSH approved respirator, as conditions warrant.

(Specify Type):

Work/Hygienic/Maintenan Do not take internally.

ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety

shower.

Wash thoroughly after handling.

No data available.



Page: 4 of 6

Revision: 04/24/2015 Supersedes Revision: 04/04/2011

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor:

pH:

7.5

Melting Point:

No data.

Boiling Point:

No data.

Flash Pt:

No data.

Evaporation Rate:

No data.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm No data.

Hg):

Vapor Density (vs. Air = 1): No data.

Specific Gravity (Water = 1): No data.

Solubility in Water: No data.

Autoignition Pt: No data.

9.2 Other Information

Percent Volatile: No data.

Section 10. Stability and Reactivity

10.1 Reactivity: No data available.

10.2 Stability: Unstable [] Stable [X]

10.3 Stability Note(s): Stable if stored in accordance with information listed on the product insert.

Polymerization: Will occur [] Will not occur [X]

10.4 Conditions To Avoid: No data available.10.5 Incompatibility - Materials No data available.

To Avoid:

10.6 Hazardous No data available.

Decomposition Or Byproducts:

Section 11. Toxicological Information

11.1 Information on The toxicological effects of this product have not been thoroughly studied.

Toxicological Effects: Trizma base - Toxicity Data: Oral LDLO (rabbit): 1,000 mg/kg; Oral TDLO (mouse): 3,000 mg/kg;

Oral LD50 (rat) >3,000 mg/kg; Oral LD50 (mouse): 5,500 mg/kg; Oral TDLO (rat): 3,000 mg/kg;

Triton X-100 - Toxicity Data: Oral LD50 (mouse): 1800 mg/kg;

Chronic Toxicological Trizma base - Investigated as a reproductive effector.

Effects: Triton X-100 - Investigated as a mutagen and reproductive effector.

Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.

See actual entry in RTECS for complete information.

Trizma base RTECS Number: TY2900000 Triton X-100 RTECS Number: MD0907700

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

| CAS# | Hazardous Components (Chemical Name) | NTP | IARC | ACGIH | OSHA |
|------------|--------------------------------------|------|------|-------|------|
| 77-86-1 | Trizma base | n.a. | n.a. | n.a. | n.a. |
| 10035-04-8 | Calcium chloride | n.a. | n.a. | n.a. | n.a. |
| 7447-40-7 | Potassium chloride | n.a. | n.a. | n.a. | n.a. |



Page: 5 of 6

Revision: 04/24/2015

Supersedes Revision: 04/04/2011

| 9002-93-1 | Triton X-100 | n.a. | n.a. | n.a. | n.a. |
|-----------|--------------|------|------|------|------|
| 7732-18-5 | Water | n.a. | n.a. | n.a. | n.a. |

Section 12. Ecological Information

12.1 **Toxicity:** Avoid release into the environment.

Runoff from fire control or dilution water may cause pollution.

Persistence and No data available.

Degradability:

12.3 **Bioaccumulative** No data available.

Potential:

12.4 **Mobility in Soil:** No data available. 12.5 Results of PBT and vPvB No data available.

assessment:

12.6 Other adverse effects: No data available.

Section 13. Disposal Considerations

13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not dangerous goods.

DOT Hazard Class: UN/NA Number:

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not dangerous goods.

UN Number: Hazard Class:

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

Additional Transport

Transport in accordance with local, state, and federal regulations.

Information:

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| CAS# | Hazardous Components (Chemical Name) | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|------------|--------------------------------------|--------------|-----------|---------------|
| 77-86-1 | Trizma base | No | No | Yes-Cat. N106 |
| 10035-04-8 | Calcium chloride | No | No | No |
| 7447-40-7 | Potassium chloride | No | No | No |
| 9002-93-1 | Triton X-100 | No | No | No |
| 7732-18-5 | Water | No | No | No |

| CAS# | Hazardous Components (Chemical Name) | Other US EPA or State Lists |
|------------|--------------------------------------|--|
| 77-86-1 | Trizma base | CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No |
| 10035-04-8 | Calcium chloride | CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No |
| 7447-40-7 | Potassium chloride | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No |



Page: 6 of 6

Revision: 04/24/2015 Supersedes Revision: 04/04/2011

| 9002-93-1 | Triton X-100 | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8A PAIR; CA PROP.65: No |
|-----------|--------------|--|
| 7732-18-5 | Water | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No |

Regulatory Information This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)

Statement: No.1272/2008.

Section 16. Other Information

Revision Date: 04/24/2015

Additional Information About No data available.

This Product:

Company Policy or Disclaimer: DISCLAIMER: This information is believed to be accurate and represents the best information

currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for

their particular purposes.



SAFETY DATA SHEET SPLA2 DTNB

Page: 1 of 6

Revision: 04/24/2015 Supersedes Revision: 04/04/2011

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

 1.1
 Product Code:
 765012

 Product Name:
 sPLA2 DTNB

Synonyms: 5,5'-dithio-bis-(2-nitrobenzoic acid);

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

Relevant identified uses: For research use only, not for human or veterinary use.

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: Cayman Chemical Company

1180 E. Ellsworth Rd. Ann Arbor, MI 48108

Web site address: www.caymanchem.com

Information: Cayman Chemical Company +1 (734)971-3335

1.4 Emergency telephone number:

Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300

CHEMTREC Outside USA and Canada: +1 (703)527-3887

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2

Specific Target Organ Toxicity (single exposure), Category 3

2.2 Label Elements:

2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:



GHS Signal Word: Warning

GHS Hazard Phrases:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

GHS Precaution Phrases:

P261: Avoid breathing {dust/fume/gas/mist/vapors/spray}.

P264: Wash {hands} thoroughly after handling.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

GHS Response Phrases:

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P332+313: If skin irritation occurs, get medical advice/attention.

P337+313: If eye irritation persists, get medical advice/attention.



SAFETY DATA SHEET sPLA2 DTNB

Page: 2 of 6

Revision: 04/24/2015 Supersedes Revision: 04/04/2011

P362+364: Take off contaminated clothing and wash it before reuse.

GHS Storage and Disposal Phrases:

Please refer to Section 7 for Storage and Section 13 for Disposal information.

2.3 Adverse Human Health Causes skin and serious eye irritation.

Effects and Symptoms: Material may be irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin absorption.

May cause respiratory system irritation.

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

Section 3. Composition/Information on Ingredients

| CAS#/ RTECS# | Hazardous Components (Chemical Name)/ REACH Registration No. | Concentration | EC No./ EC Index No. | GHS Classification |
|----------------------|--|---------------|-------------------------|---|
| 69-78-3 DG9650000 | DTNB | 0.0 -20.0 % | 200-714-4 NA | Skin Corr. 2: H315 Eye Damage 2A: H319 STOT (SE) 3: H335 H336 |
| 77-86-1 TY2900000 | Trizma base | 80.0 -100.0 % | 201-064-4 NA | Skin Corr. 2: H315 Eye Damage 2: H319 STOT (SE) 3: H335 H336 |

Section 4. First Aid Measures

4.1 Description of First Aid No data available.

Measures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel.

Get immediate medical attention.

In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated

clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined

and tested by medical personnel.

In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an

unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by

medical personnel.

Section 5. Fire Fighting Measures

5.1 Suitable Extinguishing Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

Media: Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing A solid water stream may be inefficient.

Media:

5.2 Flammable Properties and No data available.

Hazards:

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

5.3 Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or

equivalent), and full protective gear to prevent contact with skin and eyes.



SAFETY DATA SHEET sPLA2 DTNB

Page: 3 of 6

Revision: 04/24/2015 Supersedes Revision: 04/04/2011

Section 6. Accidental Release Measures

6.1 Protective Precautions, Avoid breathing vapors and provide adequate ventilation.

Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,

Emergency Procedures: and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

6.2 Environmental Take steps to avoid release into the environment, if safe to do so.

Precautions:

6.3 Methods and Material For Contain spill and collect, as appropriate.

Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.

Up:

Section 7. Handling and Storage

7.1 Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.

in Handling: Avoid prolonged or repeated exposure.

7.2 Precautions To Be Taken Keep container tightly closed.

in Storing: Store in accordance with information listed on the product insert.

Other Precautions: Hygroscopic.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

| CAS# | Partial Chemical Name | Britain EH40 | France VL | Europe |
|---------|-----------------------|--------------|-----------|--------------|
| 69-78-3 | DTNB | No data. | No data. | No data. |
| 77-86-1 | Trizma base | No data. | No data. | No data. |
| CAS# | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
| 69-78-3 | DTNB | No data. | No data. | No data. |
| 77-86-1 | Trizma base | No data. | No data. | No data. |

8.2 Exposure Controls:

8.2.1 Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne

(Ventilation etc.): levels below recommended exposure limits.

8.2.2 Personal protection equipment:

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Respiratory Equipment NIOSH approved respirator, as conditions warrant.

(Specify Type):

Work/Hygienic/Maintenan Do not take internally.

ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety

shower.

Wash thoroughly after handling.

No data available.



SAFETY DATA SHEET sPLA2 DTNB

Page: 4 of 6

Revision: 04/24/2015 Supersedes Revision: 04/04/2011

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

> **Physical States:** [] Gas [X] Solid [] Liquid

A lyophilized powder Appearance and Odor:

Melting Point: No data. **Boiling Point:** No data. Flash Pt: No data. **Evaporation Rate:** No data.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm No data.

Hg):

Vapor Density (vs. Air = 1): No data. Specific Gravity (Water = 1): No data. Solubility in Water: No data. **Autoignition Pt:** No data.

9.2 Other Information

> Percent Volatile: No data.

Section 10. Stability and Reactivity

10.1 Reactivity: No data available.

10.2 Stability: Unstable [] Stable [X]

10.3 Stability Note(s): Stable if stored in accordance with information listed on the product insert.

Polymerization: Will not occur [X] Will occur []

10.4 **Conditions To Avoid:** No data available.

10.5 Incompatibility - Materials strong bases

> strong oxidizing agents To Avoid:

10.6 Hazardous carbon dioxide

Decomposition Or carbon monoxide nitrogen oxides **Byproducts:**

sulfur oxides

Section 11. Toxicological Information

The toxicological effects of this product have not been thoroughly studied. 11.1 Information on

Trizma base - Toxicity Data: Oral LDLO (rabbit): 1,000 mg/kg; Oral TDLO (mouse): 3,000 mg/kg; **Toxicological Effects:**

Oral LD50 (rat) >3,000 mg/kg; Oral LD50 (mouse): 5,500 mg/kg; Oral TDLO (rat): 3,000 mg/kg;

Chronic Toxicological Trizma base - Investigated as a reproductive effector.

Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. Effects:

See actual entry in RTECS for complete information.

Trizma base RTECS Number: TY2900000

| CAS# | Hazardous Components (Chemical Name) | NTP | IARC | ACGIH | OSHA |
|---------|--------------------------------------|------|------|-------|------|
| 69-78-3 | DTNB | n.a. | n.a. | n.a. | n.a. |
| 77-86-1 | Trizma base | n.a. | n.a. | n.a. | n.a. |



SAFETY DATA SHEET sPLA2 DTNB

Page: 5 of 6

Revision: 04/24/2015 Supersedes Revision: 04/04/2011

Section 12. Ecological Information

12.1 Toxicity: Avoid release into the environment.

Runoff from fire control or dilution water may cause pollution.

12.2 Persistence and

Degradability:

12.3 Bioaccumulative

No data available.

No data available.

Potential:

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB No data available.

assessment:

12.6 Other adverse effects: No data available.

Section 13. Disposal Considerations

13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not dangerous goods.

DOT Hazard Class: UN/NA Number:

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not dangerous goods.

UN Number: Hazard Class:

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

Additional Transport Transport in accordance with local, state, and federal regulations.

Information:

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| CAS# | Hazardous Components (Chemical Name) | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) | |
|---------|--------------------------------------|-----------------------------|-----------|---------------|--|
| 69-78-3 | DTNB | No | No | No | |
| 77-86-1 | Trizma base | No | No | Yes-Cat. N106 | |
| CAS# | Hazardous Components (Chemical Name) | Other US EPA or State Lists | | | |

| CAS# | Hazardous Components (Chemical Name) | Other US EPA or State Lists |
|---------|--------------------------------------|--|
| 69-78-3 | DTNB | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - |
| | | Inventory; CA PROP.65: No |
| 77-86-1 | Trizma base | CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - |
| | | Inventory; CA PROP.65: No |



SAFETY DATA SHEET sPLA2 DTNB

Page: 6 of 6

Revision: 04/24/2015 Supersedes Revision: 04/04/2011

Regulatory Information This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)

Statement: No.1272/2008.

Section 16. Other Information

Revision Date: 04/24/2015

Additional Information About

No data available.

This Product:

Company Policy or Disclaimer: DISCLAIMER: This information is believed to be accurate and represents the best information

currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for

their particular purposes.



SAFETY DATA SHEET sPLA2 Diheptanoyl thio-PC (substrate)

Page: 1 of 5

Supersedes Revision: 04/04/2011

Revision: 04/24/2015

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Code: 765014

Product Name: sPLA2 Diheptanoyl thio-PC (substrate)

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

Relevant identified uses: For research use only, not for human or veterinary use.

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: Cayman Chemical Company

1180 E. Ellsworth Rd. Ann Arbor, MI 48108

Web site address: www.caymanchem.com

Information: Cayman Chemical Company +1 (734)971-3335

1.4 Emergency telephone number:

Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300

CHEMTREC Outside USA and Canada: +1 (703)527-3887

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:

2.2 Label Elements:

2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:

GHS Signal Word: None

GHS Hazard Phrases:

Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS.

GHS Precaution Phrases:

No phrases apply.

GHS Response Phrases:

No phrases apply.

GHS Storage and Disposal Phrases:

Please refer to Section 7 for Storage and Section 13 for Disposal information.

2.3 Adverse Human Health Material may be irritating to the mucous membranes and upper respiratory tract.

Effects and Symptoms: May be harmful by inhalation, ingestion, or skin absorption.

May cause eye, skin, or respiratory system irritation.

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

Section 3. Composition/Information on Ingredients

| CAS#/ RTECS# | Hazardous Components (Chemical Name)/ REACH Registration No. | Concentration | EC No./ EC Index No. | GHS Classification |
|------------------|---|---------------|-------------------------|--------------------|
| 89019-63-6 NA | 1,2-bis(heptanoylthio) Glycerophosphocholine | 100.0 % | NA NA | No data available. |





SAFETY DATA SHEET **sPLA2** Diheptanoyl thio-PC (substrate)

Revision: 04/24/2015

Supersedes Revision: 04/04/2011

Section 4. First Aid Measures

4.1 No data available. **Description of First Aid**

Measures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel.

Get immediate medical attention.

In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated

clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined

and tested by medical personnel.

In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an

unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by

medical personnel.

Section 5. Fire Fighting Measures

5.1 Suitable Extinguishing Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

Media: Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing A solid water stream may be inefficient.

Media:

5.2 Flammable Properties and No data available.

Hazards:

No data. Flash Pt:

LEL: No data. UEL: No data. **Explosive Limits:**

Autoignition Pt: No data.

Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or 5.3

equivalent), and full protective gear to prevent contact with skin and eyes.

Section 6. Accidental Release Measures

6.1 **Protective Precautions,** Avoid breathing vapors and provide adequate ventilation.

Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,

and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves). **Emergency Procedures:**

6.2 Take steps to avoid release into the environment, if safe to do so. **Environmental**

Precautions:

6.3 Methods and Material For Contain spill and collect, as appropriate.

Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.

Up:

Section 7. Handling and Storage

7.1 Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.

Avoid prolonged or repeated exposure. in Handling:

7.2 Precautions To Be Taken Keep container tightly closed.

> in Storing: Store in accordance with information listed on the product insert.

Section 8. Exposure Controls/Personal Protection

8.1 **Exposure Parameters:**

| CAS# I | Partial Chemical Name | Britain EH40 | France VL | Europe |
|--------|--|--------------|-----------|----------|
| | 1,2-bis(heptanoylthio) Glycerophosphocholine | No data. | No data. | No data. |





SAFETY DATA SHEET **sPLA2** Diheptanoyl thio-PC (substrate)

Revision: 04/24/2015

Supersedes Revision: 04/04/2011

| CAS# | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|------------|--|----------|-----------|--------------|
| 89019-63-6 | 1,2-bis(heptanoylthio) Glycerophosphocholine | No data. | No data. | No data. |

8.2 **Exposure Controls:**

8.2.1 **Engineering Controls** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne

(Ventilation etc.): levels below recommended exposure limits.

8.2.2 Personal protection equipment:

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Respiratory Equipment NIOSH approved respirator, as conditions warrant.

(Specify Type):

Work/Hygienic/Maintenan Do not take internally.

ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety

Wash thoroughly after handling.

No data available.

Section 9. Physical and Chemical Properties

| 9.1 | Information | on Basic | Physical and | Chemical | Properties |
|-----|-------------|----------|--------------|----------|-------------------|
|-----|-------------|----------|--------------|----------|-------------------|

Physical States: [] Gas [X] Liquid [] Solid

A neat oil Appearance and Odor: No data. **Melting Point: Boiling Point:** No data. No data. Flash Pt: **Evaporation Rate:** No data.

UEL: No data. **Explosive Limits:** LEL: No data.

Vapor Pressure (vs. Air or mm No data.

Hg):

Vapor Density (vs. Air = 1): No data. Specific Gravity (Water = 1): No data. No data. Solubility in Water: No data. **Autoignition Pt:**

9.2 Other Information

> **Percent Volatile:** No data.

Section 10. Stability and Reactivity

10.1 No data available. Reactivity:

10.2 Unstable [] Stable [X] Stability:

10.3 Stable if stored in accordance with information listed on the product insert. Stability Note(s):

Polymerization: Will occur [] Will not occur [X]

10.4 **Conditions To Avoid:** No data available. 10.5 Incompatibility - Materials No data available.

To Avoid:

No data available. 10.6 Hazardous

Decomposition Or

Byproducts:



SAFETY DATA SHEET **sPLA2** Diheptanoyl thio-PC (substrate)

The toxicological effects of this product have not been thoroughly studied.

Page: 4 of 5

Supersedes Revision: 04/04/2011

Revision: 04/24/2015

Section 11. Toxicological Information

Toxicological Effects:

Information on

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

| CAS # Hazardous Components (Chemical Name) | | NTP | IARC | ACGIH | OSHA |
|--|--|------|------|-------|------|
| 89019-63-6 | 1,2-bis(heptanoylthio) Glycerophosphocholine | n.a. | n.a. | n.a. | n.a. |

Section 12. Ecological Information

12.1 Toxicity: Avoid release into the environment.

Runoff from fire control or dilution water may cause pollution.

12.2 No data available. Persistence and

Degradability:

12.3 **Bioaccumulative** No data available.

Potential:

12.4 **Mobility in Soil:** No data available.

12.5 Results of PBT and vPvB No data available.

assessment:

No data available. Other adverse effects:

Section 13. Disposal Considerations

13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not dangerous goods.

DOT Hazard Class: UN/NA Number:

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not dangerous goods.

UN Number: Hazard Class:

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

Additional Transport Transport in accordance with local, state, and federal regulations.

Information:

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| CAS# | Hazardous Components (Chemical Name) | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|------------|--|-----------------|------------------|----------------|
| 89019-63-6 | 1,2-bis(heptanoylthio) Glycerophosphocholine | No | No | No |
| CAS# | Hazardous Components (Chemical Name) | Other US EPA or | State Lists | |
| 89019-63-6 | 1,2-bis(heptanoylthio) Glycerophosphocholine | CAA HAP,ODC: N | o; CWA NPDES: No | ; TSCA: No; CA |



SAFETY DATA SHEET sPLA2 Diheptanoyl thio-PC (substrate)

Page: 5 of 5

Revision: 04/24/2015 Supersedes Revision: 04/04/2011

Regulatory Information This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)

Statement: No.1272/2008.

Section 16. Other Information

Revision Date: 04/24/2015

Additional Information About

No data available.

This Product:

Company Policy or Disclaimer: DISCLAIMER: This information is believed to be accurate and represents the best information

currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for

their particular purposes.



Page: 1 of 6

Revision: 05/12/2015 Supersedes Revision: 04/04/2011

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Code: 10004913

Product Name: sPLA2 Assay (human Type V)

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

Relevant identified uses: For research use only, not for human or veterinary use.

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: Cayman Chemical Company

1180 E. Ellsworth Rd.

Ann Arbor, MI 48108

Web site address: www.caymanchem.com

Information: Cayman Chemical Company +1 (734)971-3335

1.4 Emergency telephone number:

Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300

CHEMTREC Outside USA and Canada: +1 (703)527-3887

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:

Skin Corrosion/Irritation, Category 3

Serious Eye Damage/Eye Irritation, Category 2

2.2 Label Elements:

2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:



GHS Signal Word: Warning

GHS Hazard Phrases:

H316: Causes mild skin irritation.

H319: Causes serious eye irritation.

GHS Precaution Phrases:

P264: Wash {hands} thoroughly after handling.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

GHS Response Phrases:

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+313: If skin irritation occurs, get medical advice/attention.

P337+313: If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases:

Please refer to Section 7 for Storage and Section 13 for Disposal information.



Page: 2 of 6

Supersedes Revision: 04/04/2011

Revision: 05/12/2015

2.3 Adverse Human Health Causes mild skin and serious eye irritation.

Effects and Symptoms: Material may be irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin absorption.

May cause respiratory system irritation.

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

Section 3. Composition/Information on Ingredients

| CAS#/ RTECS# | Hazardous Components (Chemical Name)/ REACH Registration No. | Concentration | EC No./ EC Index No. | GHS Classification |
|-------------------------|--|---------------|-------------------------|---|
| NA NA | sPLA2 Type V (human recombinant) | 0.0 -5.0 % | NA NA | No data available. |
| 56-81-5 MA8050000 | Glycerol | 0.0 -30.0 % | 200-289-5 NA | No data available. |
| 10035-04-8 EV9810000 | Calcium chloride | 0.0 -5.0 % | NA NA | Eye Damage 2: H319 |
| 77-86-1 TY2900000 | Trizma base | 0.0 -5.0 % | 201-064-4 NA | Skin Corr. 2: H315 Eye Damage 2: H319 STOT (SE) 3: H335 |
| 7732-18-5 ZC0110000 | Water | 55.0 -100.0 % | 231-791-2 NA | No data available. |

Section 4. First Aid Measures

4.1 Description of First Aid

Measures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel.

Get immediate medical attention.

In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated

clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined

and tested by medical personnel.

In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an

unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by

medical personnel.

4.2 Important Symptoms and Prolonged exposure may cause nausea, headache, and vomiting.

Effects, Both Acute and

Delayed:

Section 5. Fire Fighting Measures

5.1 Suitable Extinguishing Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

Media: Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing A solid water stream may be inefficient.

Media:

5.2 Flammable Properties and No data available.

Hazards:

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

5.3 Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or



Page: 3 of 6

Revision: 05/12/2015 Supersedes Revision: 04/04/2011

equivalent), and full protective gear to prevent contact with skin and eyes.

Section 6. Accidental Release Measures

6.1 Protective Precautions, Avoid breathing vapors and provide adequate ventilation.

Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,

Emergency Procedures: and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

6.2 Environmental Take steps to avoid release into the environment, if safe to do so.

Precautions:

6.3 Methods and Material For Contain spill and collect, as appropriate.

Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.

Up:

Section 7. Handling and Storage

7.1 Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.

in Handling: Avoid prolonged or repeated exposure.

7.2 Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.

in Storing: Avoid prolonged or repeated exposure.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

| Partial Chemical Name | Britain EH40 | France VL | Europe |
|----------------------------------|--|--|--|
| sPLA2 Type V (human recombinant) | No data. | No data. | No data. |
| Glycerol | TWA: 10 mg/m3 () STEL: () | TWA: 10 mg/m3 | No data. |
| Calcium chloride | No data. | No data. | No data. |
| Trizma base | No data. | No data. | No data. |
| Water | No data. | No data. | No data. |
| Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
| sPLA2 Type V (human recombinant) | No data. | No data. | No data. |
| Glycerol | PEL: 15 (dust); 5 (resp.) mg/m3 | TLV: 10 mg/m3 | No data. |
| Calcium chloride | No data. | No data. | No data. |
| Trizma base | No data. | No data. | No data. |
| Water | No data. | No data. | No data. |
| | sPLA2 Type V (human recombinant) Glycerol Calcium chloride Trizma base Water Partial Chemical Name sPLA2 Type V (human recombinant) Glycerol Calcium chloride Trizma base | sPLA2 Type V (human recombinant) Glycerol TWA: 10 mg/m3 () STEL: () Calcium chloride No data. Trizma base No data. Water No data. Partial Chemical Name SPLA2 Type V (human recombinant) Glycerol Glycerol Calcium chloride Trizma base No data. PEL: 15 (dust); 5 (resp.) mg/m3 Calcium chloride No data. | sPLA2 Type V (human recombinant) Glycerol TWA: 10 mg/m3 () STEL: () Calcium chloride No data. No data. No data. Trizma base No data. No data. No data. No data. Partial Chemical Name SPLA2 Type V (human recombinant) Glycerol PEL: 15 (dust); 5 (resp.) mg/m3 Calcium chloride No data. No data. |

8.2 Exposure Controls:

8.2.1 Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne

(Ventilation etc.): levels below recommended exposure limits.

8.2.2 Personal protection equipment:

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Respiratory Equipment NIOSH approved respirator, as conditions warrant.

(Specify Type):

Work/Hygienic/Maintenan Do not take internally.

ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety

shower.

Wash thoroughly after handling.



Page: 4 of 6

Revision: 05/12/2015 Supersedes Revision: 04/04/2011

No data available.

| | | ection 9. Physical and Chemical Properties |
|------|-----------------------------|---|
| 9.1 | Information on Basic Phys | sical and Chemical Properties |
| | Physical States: | [] Gas [X] Liquid [] Solid |
| | Appearance and Odor: | Solution |
| | Melting Point: | No data. |
| | Boiling Point: | No data. |
| | Flash Pt: | No data. |
| | Evaporation Rate: | No data. |
| | Flammability (solid, gas): | No data available. |
| | Explosive Limits: | LEL: No data. UEL: No data. |
| | Vapor Pressure (vs. Air or | r mm No data. |
| | Hg): | |
| | Vapor Density (vs. Air = 1 |): No data. |
| | Specific Gravity (Water = | 1): No data. |
| | Solubility in Water: | No data. |
| | Autoignition Pt: | No data. |
| 9.2 | Other Information | |
| | Percent Volatile: | No data. |
| | | Section 10. Stability and Reactivity |
| 10.1 | Reactivity: | No data available. |
| 10.2 | Stability: | Unstable [] Stable [X] |
| 10.3 | Stability Note(s): | Stable if stored in accordance with information listed on the product insert. |
| | Polymerization: | Will occur [] Will not occur [X] |
| 10.4 | Conditions To Avoid: | No data available. |
| 10.5 | Incompatibility - Materials | s strong bases |
| | To Avoid: | strong oxidizing agents |
| 10.6 | Hazardous | carbon dioxide |
| | Decomposition or | carbon monoxide |
| | Byproducts: | |
| | | |
| | | |
| ı | | |



Page: 5 of 6

Revision: 05/12/2015 Supersedes Revision: 04/04/2011

Section 11. Toxicological Information

11.1 Information on The toxicological effects of this product have not been thoroughly studied.

Toxicological Effects: Glycerol - Irritation Data: Eyes (rabbit): 500 mg (24h) mild; Skin (rabbit): 500 mg (24h) mild;

Chronic Toxicological Glycerol - Investigated as a mutagen, reproductive effector, and tumorigen.

Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.

See actual entry in RTECS for complete information.

Glycerol RTECS Number: MA8050000

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

| Hazardous Components (Chemical Name) | NTP | IARC | ACGIH | OSHA |
|--------------------------------------|---|---|---|--|
| sPLA2 Type V (human recombinant) | n.a. | n.a. | n.a. | n.a. |
| Glycerol | n.a. | n.a. | n.a. | n.a. |
| Calcium chloride | n.a. | n.a. | n.a. | n.a. |
| Trizma base | n.a. | n.a. | n.a. | n.a. |
| Water | n.a. | n.a. | n.a. | n.a. |
| | sPLA2 Type V (human recombinant) Glycerol Calcium chloride Trizma base | sPLA2 Type V (human recombinant) Glycerol Calcium chloride Trizma base n.a. | sPLA2 Type V (human recombinant) Glycerol Calcium chloride Trizma base n.a. n.a. n.a. n.a. n.a. n.a. n.a. | sPLA2 Type V (human recombinant) n.a. n.a. |

Section 12. Ecological Information

12.1 Toxicity: Avoid release into the environment.

Runoff from fire control or dilution water may cause pollution.

12.2 Persistence and No data available.

Degradability:

12.3 Bioaccumulative No data available.

Potential:

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB No data available.

assessment:

12.6 Other adverse effects: No data available.

Section 13. Disposal Considerations

13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not dangerous goods.

DOT Hazard Class: UN/NA Number:

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not dangerous goods.

UN Number: Hazard Class:

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

Additional Transport Transport in accordance with local, state, and federal regulations.

Information:





Revision: 05/12/2015 Supersedes Revision: 04/04/2011

Section 15. Regulatory Information

| EPA SARA | (Superfund | Amendments and | Reauthorization | Act of 1986) Lists |
|-----------------|------------|----------------|-----------------|--------------------|
|-----------------|------------|----------------|-----------------|--------------------|

| CAS# | Hazardous Components (Chemical Name) | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|------------|--------------------------------------|--------------|-----------|---------------|
| NA | sPLA2 Type V (human recombinant) | No | No | No |
| 56-81-5 | Glycerol | No | No | No |
| 10035-04-8 | Calcium chloride | No | No | No |
| 77-86-1 | Trizma base | No | No | Yes-Cat. N106 |
| 7732-18-5 | Water | No | No | No |

| CAS# | Hazardous Components (Chemical Name) | Other US EPA or State Lists | |
|------------|--------------------------------------|--|--|
| NA | sPLA2 Type V (human recombinant) | CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No | |
| 56-81-5 | Glycerol | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No | |
| 10035-04-8 | Calcium chloride | CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No | |
| 77-86-1 | Trizma base | CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No | |
| 7732-18-5 | Water | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No | |

Regulatory Information

This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)

Statement:

No.1272/2008.

Section 16. Other Information

Revision Date:

05/12/2015

Additional Information About

No data available.

This Product:

Company Policy or Disclaimer:

DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for

their particular purposes.