

# **SAFETY DATA SHEET Biotinidase Activity Assay Product**

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Revision: 09/22/2019

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830 and US OSHA HCS 2015

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

1.1 Product Code: 24602

Product Name: Biotinidase Activity Assay Product

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:

2.2 Label Elements:

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 Precautionary 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#/<br>RTECS# | Hazardous Components (Chemical Name)/ REACH Registration No. |         | EC No./<br>EC Index No. | GHS Classification |
|-----------------|--|---------|-------------------------|--------------------|
| NA              | Biotinidase Activity Assay Product                           | 100.0 % | NA                      | No data available. |
| NA              |  |         | NA                      |                    |





# **SAFETY DATA SHEET**Biotinidase Activity Assay Product

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### 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.

### 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 available.

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 raising and breathing dust, 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.

# Section 8. Exposure Controls/Personal Protection

- 8.1 Exposure Parameters:
- 8.2 Exposure Controls:
- **8.2.1 Engineering Controls** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne

levels below recommended exposure limits.

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|---|-----|------|-----|-----|------|----|

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 and a safety shower.

Wash thoroughly after handling.

No data available.

# Section 9. Physical and Chemical Properties

| 9.1 | Information | on Basic | <b>Physical</b> | and Ch | nemical I | Properties |
|-----|-------------|----------|-----------------|--------|-----------|------------|
|-----|-------------|----------|-----------------|--------|-----------|------------|

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

Appearance and Odor:

PH:

No data.

Melting Point:

No data.

Boiling Point:

No data.

Flash Pt:

No data.

No data.

No data.

Flammability (solid, gas): No data available.

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.Octanol/Water PartitionNo data.

Coefficient:

Autoignition Pt:No data.Decomposition Temperature:No data.Viscosity:No data.

9.2 Other Information

Percent Volatile: No data.

Molecular Formula & Weight: C18H22N2O 282.4

# 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** 





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Byproducts:

Section 11. Toxicological Information

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

**Toxicological Effects:** 

 CAS #
 Hazardous Components (Chemical Name)
 NTP
 IARC
 ACGIH
 OSHA

 NA
 Biotinidase Activity Assay Product
 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** 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.

UN Number: Packing Group:

**Hazard Class:** 

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) |  |
|------|--------------------------------------|--|-----------|--------------|--|
| NA   | Biotinidase Activity Assay Product   | No   | No        | No           |  |
| CAS# | Hazardous Components (Chemical Name) | Other US EPA or State Lists                              |           |              |  |
| NA   | Biotinidase Activity Assay Product   | CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No |           |              |  |



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**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:** 09/22/2019

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.



# Biotinidase Activity MaxSpec® Assay Substrate

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Revision: 09/22/2019 Supersedes Revision: 12/09/2014

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830 and US OSHA HCS 2015

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

1.1 Product Code: 27541

Product Name: Biotinidase Activity MaxSpec® Assay Substrate

Synonyms: N-(4-butylbenzyl)-4-(5-((3aS,4S,6aR)-2-oxohexahydro-1H-thieno[3,4-d]imidazol-4-yl)pentanamid

o)benzamide;

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:

Acute Toxicity: Inhalation, Category 4

Acute Toxicity: Skin, Category 4

Serious Eye Damage/Eye Irritation, Category 2

**Toxic To Reproduction, Category 1B** 

#### 2.2 Label Elements:





GHS Signal Word: Danger

#### **GHS Hazard Phrases:**

H312: Harmful in contact with skin.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H360: May damage fertility or the unborn child.

#### **GHS Precautionary Phrases:**

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

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.

P308+313: IF exposed or concerned: Get medical attention/advice.

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



### Biotinidase Activity MaxSpec® Assay Substrate

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

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 serious eye irritation.

Effects and Symptoms: Harmful if inhaled.

Harmful in contact with skin.

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

May be harmful if swallowed.

May cause skin or respiratory system irritation. May damage fertility or the unborn child.

Readily absorbed through skin.

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

### Section 3. Composition/Information on Ingredients

| CAS#/<br>RTECS#      | Hazardous Components (Chemical Name)/ REACH Registration No. | Concentration | EC No./<br>EC Index No.   | GHS Classification  |
|----------------------|--|---------------|---------------------------|---|
| NA<br>NA             | Biotinidase Activity MaxSpec® Assay Substrate                | NE            | NA<br>NA                  | No data available.  |
| 68-12-2<br>LQ2100000 | N,N-Dimethylformamide<br>01-2119475605-32                    | NE            | 200-679-5<br>616-001-00-X | Acute Tox.(D) 4: H312<br>Eye Damage 2: H319<br>Acute Tox.(I) 4: H332<br>Toxic Repro. 1B: H360 |

### 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 May cause liver damage, enlarged liver, high blood pressure, and flushing of face.

Effects, Both Acute and May cause nausea, vomiting, diarrhea, and abdominal pain.

Delayed: Prolonged or repeated skin contact may cause dermatitis.



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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 andCan release vapors that form explosive mixtures at temperatures at or above the flashpoint.

Hazards: Container explosion may occur under fire conditions.

Emits toxic fumes under fire conditions.

Sensitive to static discharge.

Vapors can travel to a source of ignition and flash back.

No data available.

Flash Pt: 58.00 C Method Used: Closed Cup

Explosive Limits: LEL: 2.2% at 25.0 C UEL: 15.2% at 25.0 C

Autoignition Pt: 445.00 C

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.

Note: Flammable as diluted in DMF.

#### 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.

Keep away from sources of ignition.

Take precautionary measures against static discharge.

**7.2** Precautions To Be Taken Keep away from heat, sparks and flame.

in Storing: Keep container tightly closed.

Store in accordance with information listed on the product insert.

### Section 8. Exposure Controls/Personal Protection

#### 8.1 Exposure Parameters:

| CAS#    | Chemical Name         | Jurisdiction | Recommended Exposure Limits | Notations       |
|---------|-----------------------|--------------|-----------------------------|-----------------|
| 68-12-2 | N,N-Dimethylformamide | ACGIH TLV    | TLV: 10 ppm                 |                 |
|         |                       | France VL    | TWA: 30 mg/m3 (10 ppm)      |                 |
|         |                       | OSHA PELs    | PEL: 10 ppm                 |                 |
|         |                       | Britain EH40 | TWA: 30 mg/m3 (10 ppm)      | Skin Absorption |
|         |                       |              | STEL: 61 mg/m3 (20 ppm)     |                 |

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.

Multi-region format

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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 and a safety shower.

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

Appearance and Odor: A 5 mM solution in DMF

Odor: faint amine-like odor

pH: No data.Melting Point: No data.Boiling Point: No data.

Flash Pt: 58.00 C Method Used: Closed Cup

**Evaporation Rate:** No data.

Flammability (solid, gas): No data available.

**Explosive Limits:** LEL: 2.2% at 25.0 C UEL: 15.2% at 25.0 C

Vapor Pressure (vs. Air or mm 3 MM\_HG at 20.0 C

Hg):

Vapor Density (vs. Air = 1):No data.Specific Gravity (Water = 1):No data.Solubility in Water:No data.Octanol/Water PartitionNo data.

Coefficient:

Autoignition Pt: 445.00 C

Decomposition Temperature: No data.

Viscosity: No data.

9.2 Other Information

Percent Volatile: No data.

Molecular Formula & Weight: C28H36N4O3S 508.7

# 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: heat, flames, and sparks

10.5 Incompatibility - Materials alkyl aluminums

To Avoid: carbon tetrachloride

inorganic nitrates strong oxidizing agents

10.6 Hazardous carbon dioxide

Multi-region format





### Biotinidase Activity MaxSpec® Assay Substrate

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Decomposition or carbon monoxide

Byproducts: nitrogen oxides

Section 11. Toxicological Information

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

**Toxicological Effects:** DMF - Toxicity Data: Intraperitoneal LD50 (rat): 1400 mg/kg; Subcutaneous LD50 (rat): 3800

mg/kg; Oral LD50 (mouse): 2,900 mg/kg; Intraperitoneal LD50 (mouse): 650 mg/kg; Oral LD50 (rat): 2,000 mg/kg; Oral LD50 (rabbit): 5,000 mg/kg; Skin LD50 (rat): >3,200 mg/kg; Skin LD50

(rabbit): 4,720 mg/kg;

**Chronic Toxicological** 

Effects:

DMF - Investigated as a hormone, mutagen, primary irritant, reproductive effector, and tumorigen.
Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.

See actual entry in RTECS for complete information.

DMF RTECS Number: LQ2100000

Carcinogenicity/Other

DMF - IARC: Group 3: Not classifiable as to its carcinogenicity to humans;

Information:

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

| CAS#    | Hazardous Components (Chemical Name)          | NTP  | IARC | ACGIH | OSHA |
|---------|---|------|------|-------|------|
| NA      | Biotinidase Activity MaxSpec® Assay Substrate | n.a. | n.a. | n.a.  | n.a. |
| 68-12-2 | N,N-Dimethylformamide                         | n.a. | 3    | A4    | 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:** N,N-Dimethylformamide Solution

**DOT Hazard Class:** 3 FLAMMABLE LIQUID

UN/NA Number: UN2265 Packing Group: III





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14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: N,N-Dimethylformamide Solution

UN Number: 2265 Packing Group: III

Hazard Class: 3 - FLAMMABLE LIQUID

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: N,N-Dimethylformamide Solution

UN Number: 2265 Packing Group: III
Hazard Class: 3 - FLAMMABLE LIQUID IATA Classification: 3

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

Information: When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of

E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.

### 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      | Biotinidase Activity MaxSpec® Assay Substrate | No           | No         | No           |
| 68-12-2 | N,N-Dimethylformamide                         | No           | Yes 100 LB | Yes          |

| CAS#    | Hazardous Components (Chemical Name)          | Other US EPA or State Lists   |
|---------|---|---|
| NA      | Biotinidase Activity MaxSpec® Assay Substrate | CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA<br>PROP.65: No                                   |
| 68-12-2 | N,N-Dimethylformamide                         | CAA HAP,ODC: HAP: VHAP; CWA NPDES: No; TSCA: Yes - Inventory, 8D TERM; CA PROP.65: Yes: Canc. |

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:** 09/22/2019

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.



Biotinidase Activity MaxSpec® Assay Internal

Standard

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according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830 and US OSHA HCS 2015

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

**1.1 Product Code:** 27542

Product Name: Biotinidase Activity MaxSpec® Assay Internal Standard

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:

Flammable Liquids, Category 2

Acute Toxicity: Inhalation, Category 3
Acute Toxicity: Oral, Category 3
Acute Toxicity: Skin, Category 3

Specific Target Organ Toxicity (single exposure), Category 1

#### 2.2 Label Elements:







GHS Signal Word: Danger

**GHS Hazard Phrases:** 

H225: Highly flammable liquid and vapor.

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H331: Toxic if inhaled.

H370: Causes damage to organs.

#### **GHS Precautionary Phrases:**

P210: Keep away from {heat/sparks/open flames/hot surfaces}. - No smoking.

P260: Do not breathe {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:**

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with

water/shower.

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

P307+311: IF exposed: Call a POISON CENTER or doctor/physician.

P311: Call a POISON CENTER or doctor/physician.

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P330: Rinse mouth.

P361: Remove/Take off immediately all contaminated clothing.

P363: Wash contaminated clothing 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 damage to organs {eyes}.

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

May be fatal or cause blindness if swallowed.

May cause eye, skin, or respiratory system irritation. Toxic if inhaled, swallowed, or in contact with skin.

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

### Section 3. Composition/Information on Ingredients

| CAS#/<br>RTECS#      | Hazardous Components (Chemical Name)/ REACH Registration No. | Concentration | EC No./<br>EC Index No.   | GHS Classification   |
|----------------------|--|---------------|---------------------------|--|
| NA<br>NA             | Biotinidase Activity MaxSpec® Assay Internal Standard        | NE            | NA<br>NA                  | No data available.   |
| 67-56-1<br>PC1400000 | Methanol<br>01-2119392409-28-0000                            | NE            | 200-659-6<br>603-001-00-X | Flam. Liq. 2: H225<br>Acute Tox.(O) 3: H301<br>Acute Tox.(D) 3: H311<br>Acute Tox.(I) 3: H331<br>STOT (SE) 1: H370 |

### 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 Overexposure may cause: confusion, dermatitis, headache, drowsiness, dizziness, gastrointestinal

Effects, Both Acute and

disturbance, optic nerve damage (blindness), nausea, unconsciousness, vomiting, visual

**Delayed:** disturbance, weakness.

May cause convulsions.

Once methanol is absorbed into the body, it is very slowly eliminated.



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### 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 andCan release vapors that form explosive mixtures at temperatures at or above the flashpoint.

**Hazards:** Container explosion may occur under fire conditions.

Emits toxic fumes under fire conditions.

Sensitive to static discharge.

Vapors can travel to a source of ignition and flash back.

No data available.

Flash Pt: 11.00 C Method Used: Closed Cup

Explosive Limits: LEL: 6.0% at 25.0 C UEL: 36.0% at 25.0 C

Autoignition Pt: 385.00 C

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.

Note: Flammable as diluted in methanol.

#### 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.

Keep away from sources of ignition.

Take precautionary measures against static discharge.

**7.2** Precautions To Be Taken Keep away from heat, sparks, and flame.

in Storing: Keep container tightly closed.

Store in accordance with information listed on the product insert.

### Section 8. Exposure Controls/Personal Protection

#### 8.1 Exposure Parameters:

| CAS#    | Chemical Name | Jurisdiction | Recommended Exposure Limits                             | Notations       |
|---------|---------------|--------------|---|-----------------|
| 67-56-1 | Methanol      | ACGIH TLV    | TLV: 200 ppm<br>STEL: 250 ppm                           |                 |
|         |               | Europe       | TWA: 260 mg/m3 (200 ppm)                                | Skin Absorption |
|         |               | France VL    | TWA: 260 mg/m3 (200 ppm)<br>STEL: 1300 mg/m3 (1000 ppm) |                 |
|         |               | OSHA PELs    | PEL: 200 ppm  |                 |
|         |               | Britain EH40 | TWA: 266 mg/m3 (200 ppm)<br>STEL: 333 mg/m3 (250 ppm)   | Skin Absorption |

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**Exposure Controls:** 

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

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

8.2.2 Personal protection equipment:

**Eye Protection:** Safety glasses

Compatible chemical-resistant gloves **Protective Gloves:** 

Other Protective Clothing: Lab coat

**Respiratory Equipment** NIOSH approved respirator, as conditions warrant.

(Specify Type):

Work/Hygienic/Maintenan Do not take internally.

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

Wash thoroughly after handling.

No data available.

### Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

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

A 25 µM solution in methanol Appearance and Odor:

pH: No data. No data. **Melting Point: Boiling Point:** No data.

11.00 C Method Used: Closed Cup Flash Pt:

No data. **Evaporation Rate:** 

Flammability (solid, gas): No data available.

LEL: 6.0% at 25.0 C at 25.0 C UEL: 36.0% **Explosive Limits:** 

Vapor Pressure (vs. Air or mm 96 MM\_HG at 20.0 C

Hg):

Vapor Density (vs. Air = 1): No data. Specific Gravity (Water = 1): No data. Solubility in Water: No data. **Octanol/Water Partition** No data.

Coefficient:

385.00 C **Autoignition Pt: Decomposition Temperature:** No data. No data. Viscosity:

9.2 Other Information

> No data. **Percent Volatile:**

C18H18D4N2O 286.405 Molecular Formula & Weight:



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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:** heat, flames, and sparks

10.5 Incompatibility - Materials acids

To Avoid: acid anhydrides

acid chlorides
alkali metals
oxidizing agents
reducing agents
carbon dioxide

10.6 Hazardous

Decomposition or carbon monoxide

**Byproducts:** 

### Section 11. Toxicological Information

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

Toxicological Effects: Methanol - Toxicity Data: Oral LD50 (rat): 5,600 mg/kg; Oral LD50 (rabbit): 14,200 mg/kg; Oral

LDLO (man): 6422 mg/kg; Intraperitoneal LD50 (mouse): 10765 mg/kg;

Inhalation LC50 (rat): 64,000 ppm (4h); Inhalation LC50 (mouse): 61,100 ppm (134 m); Skin LD50

(rabbit): 15,800 mg/kg; Oral LDLO (human): 143 mg/kg;

Methanol - Irritation Data: Skin (rabbit): 20 mg (24h) moderate; Eyes (rabbit): 40 mg moderate;

Eyes (rabbit): 100 mg (24h) moderate;

**Chronic Toxicological** 

Effects:

Methanol - Investigated as a drug, mutagen, primary irritant, reproductive effector, and tumorigen. Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.

See actual entry in RTECS for complete information.

Methanol RTECS Number: PC1400000

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

| CAS # Hazardous Components (Chemical Name) |   | NTP  | IARC | ACGIH | OSHA |
|--|---|------|------|-------|------|
| NA   | Biotinidase Activity MaxSpec® Assay Internal Standard | n.a. | n.a. | n.a.  | n.a. |
| 67-56-1                                    | Methanol  | 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** Persistence and No data available.

Degradability:

12.3 Bioaccumulative No

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.



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### 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:** Methanol Solution

**DOT Hazard Class:** 3 (6.1) FLAMMABLE LIQUID, POISON

UN/NA Number: UN1230 Packing Group: II





#### 14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Methanol Solution

UN Number: 1230 Packing Group: II

Hazard Class: 3 (6.1) - FLAMMABLE LIQUID,

POISON

#### 14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Methanol Solution

UN Number: 1230 Packing Group: II

Hazard Class: 3 (6.1) - FLAMMABLE LIQUID, IATA Classification: 3, 6.1

**POISON** 

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

Information: When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of

E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.

### 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      | Biotinidase Activity MaxSpec® Assay Internal Standard | No                          | No          | No           |
| 67-56-1 | Methanol  | No                          | Yes 5000 LB | Yes          |
| CAS#    | Hazardous Components (Chemical Name)                  | Other US EPA or State Lists |             |              |
|         |   |                             |             |              |

| CAS#    | Hazardous Components (Chemical Name)         | Other US EPA or State Lists   |
|---------|--|---|
| NA      | Biotinidase Activity MaxSpec® Assay Internal | CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA  |
|         | Standard                                     | PROP.65: No   |
| 67-56-1 | Methanol                                     | CAA HAP,ODC: HAP: VHAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: Yes: RDTox. |



# Biotinidase Activity MaxSpec® Assay Internal

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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:** 09/22/2019

Additional Information About

No data available.

This Product:

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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.



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according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2015/830 and US OSHA HCS 2015

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

**1.1 Product Code:** 27543

Product Name: Biotinidase Activity Assay Buffer

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:

2.2 Label Elements:

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 Precautionary 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#/<br>RTECS#        | Hazardous Components (Chemical Name)/ REACH Registration No. | Concentration | EC No./<br>EC Index No. | GHS Classification            |
|------------------------|--|---------------|-------------------------|-------------------------------|
| 77-86-1<br>TY2900000   | Trizma base<br>01-2119957659-16                              | NE            | 201-064-4<br>NA         |                               |
| 145-42-6<br>WX0400000  | Sodium N-choloyltaurinate                                    | 0.5 %         | 205-653-7<br>NA         | No GHS classifications apply. |
| 7732-18-5<br>ZC0110000 | Water<br>na  | NE            | 231-791-2<br>NA         | No GHS classifications apply. |





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### 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.

### 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 available.

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 raising and breathing dust, 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.

# Section 8. Exposure Controls/Personal Protection

### 8.1 Exposure Parameters:

| CAS#                | Chemical Name | Jurisdiction | Recommended Exposure Limits | Notations |
|---------------------|---------------|--------------|-----------------------------|-----------|
| 77-86-1 Trizma base |               | ACGIH TLV    | CEIL: 5 mg/m3 (salts)       |           |



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| 77-86-1 Trizma base (continued) | France VL    | TWA: 5 mg/m3   |                 |
|---------------------------------|--------------|----------------|-----------------|
|                                 | OSHA PELs    | TWA: 5 mg/m3   |                 |
|                                 | Britain EH40 | TWA: 5.0 mg/m3 | Skin Absorption |

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 and a safety shower.

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 |  |

Appearance and Odor: Solution
pH: No data.

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 mm No data.

Hg):

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

Specific Gravity (Water = 1): No data.

Solubility in Water: No data.

Octanol/Water Partition No data.

Coefficient:

Autoignition Pt: No data.

Decomposition Temperature: No data.

Viscosity: No data.

9.2 Other Information

Percent Volatile: No data.

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# **SAFETY DATA SHEET** Biotinidase Activity Assay Buffer

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## 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:** 

| CAS # Hazardous Components (Chemical Name) |                           | NTP  | IARC | ACGIH | OSHA |
|--|---------------------------|------|------|-------|------|
| 77-86-1                                    | Trizma base               | n.a. | n.a. | n.a.  | n.a. |
| 145-42-6                                   | Sodium N-choloyltaurinate | 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.

**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:





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14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

UN Number: Packing Group:

**Hazard Class:** 

**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 |
| 145-42-6  | Sodium N-choloyltaurinate            | 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: Yes - Cat.; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No |
| 145-42-6  | Sodium N-choloyltaurinate            | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory: Active; 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:** 09/27/2019

Additional Information About

No data available.

This Product:

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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.