

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:** 700125
Product Name: LSD1 Assay Peptide
Synonyms: LSD1 Peptide; Lysine-Specific Demethylase 1 Assay Peptide;
- 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 # / RTECS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
NA NA	LSD1 Peptide	0.228 %	NA NA	No data available.
7365-45-9 TL6809000	HEPES, free acid	1.19 %	230-907-9 NA	No GHS classifications apply.
7732-18-5 ZC0110000	Water na	98.582 %	231-791-2 NA	No GHS classifications apply.

Section 4. First Aid Measures

4.1 Description of First Aid Measures:

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 20 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 20 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 Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

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

Unsuitable Extinguishing Media: A solid water stream may be inefficient.

Media:

5.2 Flammable Properties and Hazards: No data available.

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 breathing vapors and provide adequate ventilation.

Protective Equipment and Emergency Procedures: 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).

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

6.3 Methods and Material For Containment and Cleaning Up: Contain spill and collect, as appropriate.

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

Section 7. Handling and Storage

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

Avoid prolonged or repeated exposure.

7.2 Precautions To Be Taken 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:

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.

(Ventilation etc.):

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/Maintenance Practices: Do not take internally.
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: 1 ml of peptide corresponding to the first 21 amino acids of the N-terminal tail of histone H3, with a dimethylated lysine at residue 4 (ARTK(diMethyl)QTARKSTGGKAPRKQLA</p>
<div data-bbox="90 385 358 400" data-label="Text">

pH: 7.5

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<div data-bbox="90 404 384 419" data-label="Text">

Melting Point: No data.

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<div data-bbox="90 423 384 438" data-label="Text">

Boiling Point: No data.

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<div data-bbox="90 442 384 457" data-label="Text">

Flash Pt: No data.

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<div data-bbox="90 461 384 476" data-label="Text">

Evaporation Rate: No data.

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<div data-bbox="90 480 446 495" data-label="Text">

Flammability (solid, gas): No data available.

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<div data-bbox="90 500 666 514" data-label="Text">

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

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<div data-bbox="90 519 384 533" data-label="Text">

Vapor Pressure (vs. Air or mm Hg): No data.

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<div data-bbox="90 556 384 571" data-label="Text">

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

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<div data-bbox="90 576 384 591" data-label="Text">

Specific Gravity (Water = 1): No data.

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<div data-bbox="90 596 384 610" data-label="Text">

Solubility in Water: No data.

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<div data-bbox="90 615 384 630" data-label="Text">

Octanol/Water Partition Coefficient: No data.

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<div data-bbox="90 654 384 669" data-label="Text">

Autoignition Pt: No data.

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<div data-bbox="90 674 384 688" data-label="Text">

Decomposition Temperature: No data.

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<div data-bbox="90 693 384 708" data-label="Text">

Viscosity: No data.

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</div>
<div data-bbox="40 714 216 728" data-label="Section-Header">
<p>9.2 Other Information</p>
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<p>Percent Volatile: No data.</p>
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<p align="center">Section 10. Stability and Reactivity</p>
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<p>10.1 Reactivity: No data available.</p>
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<div data-bbox="40 803 468 818" data-label="Text">
<p>10.2 Stability: Unstable [] Stable [X]</p>
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<p>10.3 Stability Note(s): Stable if stored in accordance with information listed on the product insert.</p>
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<div data-bbox="90 841 520 856" data-label="Text">
<p>Polymerization: Will occur [] Will not occur [X]</p>
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<div data-bbox="40 860 398 875" data-label="Text">
<p>10.4 Conditions To Avoid: No data available.</p>
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<p>10.5 Incompatibility - Materials To Avoid: strong oxidizing agents</p>
</div>
<div data-bbox="40 920 376 935" data-label="Text">
<p>10.6 Hazardous carbon dioxide</p>
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<p>Decomposition or carbon monoxide
nitrogen oxides</p>
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SAFETY DATA SHEET

LSD1 Assay Peptide

Revision: 10/24/2019
Supersedes Revision: 02/08/2013**Byproducts:** sulfur oxides

Section 11. Toxicological Information

11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied.**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
NA	LSD1 Peptide	n.a.	n.a.	n.a.	n.a.
7365-45-9	HEPES, free acid	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 Degradability:** No data available.**12.3 Bioaccumulative Potential:** No data available.**12.4 Mobility in Soil:** No data available.**12.5 Results of PBT and vPvB assessment:** No data available.**12.6 Other adverse effects:** No data available.

Section 13. 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 Information:** Transport in accordance with local, state, and federal regulations.



SAFETY DATA SHEET

LSD1 Assay Peptide

Revision: 10/24/2019
Supersedes Revision: 02/08/2013

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	LSD1 Peptide	No	No	No
7365-45-9	HEPES, free acid	No	No	No
7732-18-5	Water	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
NA	LSD1 Peptide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No
7365-45-9	HEPES, free acid	CAA HAP,ODC: No; 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 Statement: This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.

Section 16. Other Information

Revision Date: 10/24/2019

Additional Information About This Product: 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.