

Page: 1 of 5

Revision: 03/10/2015 Supersedes Revision: 06/01/2010

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: LS-H54-1, LS-H54-5, LS-H54-10, LS-H54-25

Product Name: Clobenpropit (hydrobromide)

Synonyms: N-[(4-chlorophenyl)methyl]-3-(1H-imidazol-5-yl)propyl ester, carbamimidothioic acid,

dihydrobromide; VUF-9153; Carbamimidothioic 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:

MANUFACTURER: LifeSpan BioSciences, Inc.

ADDRESS: 2401 - 4th Avenue, Suite 900, Seattle, WA 98121

PHONE: 1-206-464-1554 FAX: 1-206-577-4565 WEBSITE: www.LSBio.com

1.4 Emergency contact and telephone number:

CHEMTEL EMERGENCY 1-800-255-3924 (United States, Canada, Puerto Rico, and the U.S. Virgin Islands)

PHONES: 1-813-248-0585 (Other locations)

CHEMTEL CONTRACT ID: MIS2559905

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

	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
145231-35-2 FD3067500	Clobenpropit (hydrobromide)	100.0 %	NA NA	No data available.



Page: 2 of 5

Revision: 03/10/2015 Supersedes Revision: 06/01/2010

Section 4. First Aid Measures

4.1 **Description of First Aid**

Measures:

In Case of Inhalation:

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

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel.

medical personnel.

No data available.

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.

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 raising and breathing dust, 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#	Partial Chemical Name	Britain EH40	France VL	Europe
145231-35-2	Clobenpropit (hydrobromide)	No data.	No data.	No data.

Multi-region format



Page: 3 of 5

Revision: 03/10/2015

Supersedes Revision: 06/01/2010

CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
145231-35-2	Clobenpropit (hydrobromide)	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

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

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

(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.

Section 9. Physical and Chemical Properties

9.1	Information	on Basic	Physical a	nd Chemical	Properties
-----	-------------	----------	------------	-------------	-------------------

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

A crystalline solid Appearance and Odor:

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

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

Vapor Pressure (vs. Air or mm No data.

Hg):

No data. Vapor Density (vs. Air = 1): No data. Specific Gravity (Water = 1): ~ 20 mg/ml Solubility in Water:

Solubility Notes: ~2.5 mg/ml in EtOH; ~30 mg/ml in DMSO;

No data. **Autoignition Pt:**

9.2 Other Information

> **Percent Volatile:** No data.

C14H17CIN4S · 2 HBr 470.7 Molecular Formula & Weight:

Section 10. Stability and Reactivity

No data available. 10.1 Reactivity:

10.2 Stability: Unstable [] Stable [X]

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

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

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



Revision: 03/10/2015 Supersedes Revision: 06/01/2010

Byproducts:

Section 11. Toxicological Information

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

Toxicological Effects: Clobenpropit (hydrobromide) - Toxicity Data: Subcutaneous TDLO (rat): 0.3 mg/kg; Intraperitoneal

TDLO (rat): 30 mg/kg;

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

Effects: See actual entry in RTECS for complete information.

Clobenpropit (hydrobromide) RTECS Number: FD3067500

CAS # Hazardous Components (Chemical Name)		NTP	IARC	ACGIH	OSHA
145231-35-2	Clobenpropit (hydrobromide)	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.

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

Information:



Page: 5 of 5

Revision: 03/10/2015 Supersedes Revision: 06/01/2010

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) 145231-35-2 Clobenpropit (hydrobromide) No No No **Hazardous Components (Chemical Name)** Other US EPA or State Lists

CAS# 145231-35-2 Clobenpropit (hydrobromide)

CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No

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

No.1272/2008. Statement:

Section 16. Other Information

Revision Date: 03/10/2015

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.