



## MATERIAL SAFETY DATA SHEET

### SECTION 1. Chemical Product and Company Identification L-hydroxy Arginine Acetate

**Product Code:** 53598-01-9 , **Reference #:** 80300

**Product Name:** L-hydroxy Arginine Acetate

**CAS Number:** 53598-01-9

**Chemical Family:** Nitric oxides

**Synonyms**

N5-[(hydroxyamino)iminomethyl]-L-ornithine, acetate;

L-NG-hydroxy Arginine Acetate

**Manufacturer Name and**

**Address:**

Cayman Chemical Company  
1180 E. Ellsworth Rd.

Ann Arbor, MI. 48108

Cayman Chemical  
Company

Cayman Chemical  
Company

**Telephone  
Numbers:**

(800)364-9897

(734)971-3335

**Dates:**

Date Entered:

06/27/1996

Revision: 04/25/2003

Printed: 04/25/2003

### SECTION 2. Composition/Information on Ingredients L-hydroxy Arginine Acetate

**Hazardous Components (Specific Chemical Identity/Common Name)**

**Name:** L-hydroxy Arginine Acetate {L-NG-Hydroxy arginine acetate}

**CAS #:** 53598-01-9 **Percentage:** 100.0 %

**OSHA PEL:** No data. **ACGIH TLV:** No data.

### SECTION 3. Hazards Identification L-hydroxy Arginine Acetate

**Emergency Overview**

No data available.

**Route(s) of Entry:** Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes , Other: Injection

**Potential Health Effects (Acute and Chronic)**

Contact may cause skin or eye irritation.

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

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

May cause eye, skin, or respiratory system irritation.

The toxicological properties of this compound have not been fully evaluated.

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

**Carcinogenicity/Other Information**

No data available.

**Signs and Symptoms Of Exposure**

Irritating to the skin, eyes, nose, throat, and respiratory tract.

**SECTION 4. First Aid Measures**  
**L-hydroxy Arginine Acetate**

**Emergency and First Aid Procedures**

If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

If swallowed, 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.

In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 20 minutes. Have eyes examined and tested by medical personnel.

In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

**Note to Physician**

No data available.

**Medical Conditions Generally Aggravated By Exposure**

No data available.

**SECTION 5. Fire Fighting Measures**  
**L-hydroxy Arginine Acetate**

**Flash Pt:** No data. **Method Used:** See note below

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

**Extinguishing Media**

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires involving this material.

**Fire Fighting Instructions**

As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

**Flammable Properties and Hazards**

No data available.

**Hazardous Combustion Products**

No data available.

**SECTION 6. Accidental Release Measures**  
**L-hydroxy Arginine Acetate**

**Steps To Be Taken In Case Material Is Released Or Spilled**

Vacuum or sweep up material and place in disposal container.

Avoid raising dust.

After removal, ventilate contaminated area and flush thoroughly with water.

**SECTION 7. Handling and Storage**  
**L-hydroxy Arginine Acetate**



**Molecular Formula:** C<sub>8</sub>H<sub>18</sub>N<sub>4</sub>O<sub>5</sub>  
**Molecular Weight:** 250.30  
**pH:** No data.  
**Appearance and Odor**  
A crystalline solid.

### SECTION 10. Stability and Reactivity L-hydroxy Arginine Acetate

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability**  
No data available.  
**Incompatibility - Materials To Avoid**  
No data available.  
**Hazardous Decomposition Or Byproducts**  
No data available.  
**Hazardous Polymerization:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Polymerization**  
No data available.

### SECTION 11. Toxicological Information L-hydroxy Arginine Acetate

The toxicological effects of this compound have not been thoroughly studied.  
**Chronic Toxicological Effects**  
No data available.

### SECTION 12. Ecological Information L-hydroxy Arginine Acetate

Runoff from fire control or dilution water may cause pollution.

### SECTION 13. Disposal Considerations L-hydroxy Arginine Acetate

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

### SECTION 14. Transport Information L-hydroxy Arginine Acetate

**DOT Proper Shipping Name**  
No data available.  
**Additional Transport Information**  
Transport in accordance with local, state, and federal regulations.

### SECTION 15. Regulatory Information

## **L-hydroxy Arginine Acetate**

Regulatory information on this product is not available.

### **SECTION 16. Other Information L-hydroxy Arginine Acetate**

For research use only, not for human or veterinary clinical use.

**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.

---