



MATERIAL SAFETY DATA SHEET

SECTION 1. Chemical Product and Company Identification 7,8-dihydro-L-Biopterin

Product Code: 81882 , **Reference #:** 6779-87-9

Product Name: 7,8-dihydro-L-Biopterin

CAS Number: 6779-87-9

Synonyms

2-amino-6-(1R,2S-dihydroxypropyl)-7,8-dihydro-4(1H)-pteridinone;

BH2;

Dihydrobiopterin

Manufacturer Name and Address:

Cayman Chemical Company

1180 E. Ellsworth Rd.

Ann Arbor, MI. 48108

Cayman Chemical Company

Cayman Chemical Company (734)971-3335

Telephone Numbers: Dates:

(800)364-9897

Date Entered: 06/27/1996

Revision: 07/02/2004

Printed: 07/02/2004

SECTION 2. Composition/Information on Ingredients 7,8-dihydro-L-Biopterin

Hazardous Components (Specific Chemical Identity/Common Name)

Name: 7,8-dihydro-L-Biopterin {Dihydrobiopterin;BH2}

CAS #: 6779-87-9

Percentage: 100.0 %

OSHA PEL: No data.

ACGIH TLV: No data.

SECTION 3. Hazards Identification 7,8-dihydro-L-Biopterin

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)

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 7,8-dihydro-L-Biopterin

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
7,8-dihydro-L-Biopterin**

Flash Pt: No data. **Method Used:** No data.

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
7,8-dihydro-L-Biopterin****Steps To Be Taken In Case Material Is Released Or Spilled**

Wear a self-contained breathing apparatus and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

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
7,8-dihydro-L-Biopterin****Hazard Label Information:**

Avoid contact with skin and eyes. Do not reuse this container.

Use with adequate ventilation. Wash thoroughly after handling.

Precautions To Be Taken in Handling

Avoid contact with eyes, skin, and clothing.

Avoid prolonged or repeated exposure.

Do not reuse this container.

Wash thoroughly after handling.

Precautions To Be Taken in Storing

Store at correct temperature.

Other Precautions

No data available.

No data available.

SECTION 11. Toxicological Information
7,8-dihydro-L-Biopterin

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

Chronic Toxicological Effects

No data available.

SECTION 12. Ecological Information
7,8-dihydro-L-Biopterin

Runoff from fire control or dilution water may cause pollution.

SECTION 13. Disposal Considerations
7,8-dihydro-L-Biopterin

Waste Disposal Method

Dispose in accordance with local, state and federal regulations.

SECTION 14. Transport Information
7,8-dihydro-L-Biopterin

DOT Proper Shipping Name

No data available.

Additional Transport Information

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

SECTION 15. Regulatory Information
7,8-dihydro-L-Biopterin

Regulatory information on this product is not available.

SECTION 16. Other Information
7,8-dihydro-L-Biopterin

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.