

# MATERIAL SAFETY DATA SHEET

## D-BIOTIN



### 1. Product Identification

<b>Product Name:</b>	D-Biotin	<b>Supplier:</b>	ASES CHEMICAL WORKS.
<b>Alternate Name:</b>	Vitamin B7, Bios II, Vitamin H; Coenzyme R 5-[(3aS,4S,6aR)-2-Oxohexahydro-1H-thieno [3,4-d]imidazol-4-yl]pentanoic acid	<b>Address:</b>	Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India
<b>CAS No.:</b>	58-85-5	<b>Phone:</b>	+91-9636889954
<b>Chemical Formula:</b>	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub> S	<b>Web:</b>	www.ases.in
<b>Product Use:</b>	Laboratory chemicals, Manufacture of substances	<b>Email :</b>	ecom@ases.in

### 2. Hazards Identification

#### Classification according to Regulation (EC) No 1272/2008

Not classified.

**Labeling according to Regulation (EC) No 1272/2008** No labelling applicable

#### Hazards not otherwise classified (HNOC):

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

### 3. Composition/Information on Ingredients

Product Name	CAS No.	EC No	Mol Formula	%
D-Biotin	58-85-5	200-399-3	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub> S	99%

### 4. First Aid Measures

<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing.
<b>Ingestion:</b>	Rinse mouth. Call a poison centre or a doctor if you feel unwell.
<b>Skin Contact:</b>	Wash with plenty of water/.... Wash skin with plenty of water.
<b>Eye Contact:</b>	Rinse immediately with plenty of water. Rinse eyes with water as a precaution.

### 5. Fire Fighting Measures

<b>Extinguishing media:</b>	Carbon dioxide. Dry powder. Foam. Water spray. Do not use a heavy water stream.
<b>Fire Extinguishing Media:</b>	Toxic fumes may be released.
<b>Advice for firefighters:</b>	Do not enter fire area without proper protective equipment, including respiratory protection.

### 6. Accidental Release Measures

#### Personal precautions, protective equipment, and emergency procedures:

Ventilate spillage area. Evacuate unnecessary personnel.

**Environmental precautions:** Avoid release to the environment.

#### Methods cleanup procedures and Storage:

Mechanically recover the product. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.

### 7. Handling and Storage

#### Precautions for safe handling:

Ensure good ventilation of the work station. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing.

#### Conditions for safe storage, including any incompatibilities:

Store in original container. Keep container tightly closed& in a dry place. Store in a well-ventilated place. Keep cool.

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#### 8. Exposure Controls/Personal Protection

<b>Control parameters:</b>	No additional information available
<b>Appropriate engineering controls:</b>	Ensure good ventilation of the work station.
<b>Personal protection equipment:</b>	No additional information available
<b>Eye and face protection:</b>	Wear a mask
<b>Skin protection:</b>	Protective gloves
<b>Respiratory protection:</b>	Wear appropriate mask
<b>Environmental exposure controls:</b>	Avoid release to the environment.

#### 9. Physical and Chemical Properties

Physical state:	Solid	Decomposition temperature:	Not available
Appearance:	Crystalline powder.	Explosive limits:	Not available
Molecular mass:	244.31 g/mol	Evaporation rate (butylacetate=1):	Not available
Colour:	White.	Freezing point:	Not available
Odour:	Odourless.	Vapour pressure:	Not available
Odour threshold:	Not available	Density:	Not available
pH:	4.5 at 20°C	Flammability (solid, gas):	Non-flammable.
pH sol. concentration:	0.01 %	Partition coefficient :	Not available
Relative density:	No data available	n-octanol/water (Log Pow):	Not available
Boiling point:	Decomposes	Relative vapour density at 20 °C:	Not available
Melting point:	231 – 233 °C	Solubility:	Water: Slightly soluble in water
Flash point:	Not applicable	Viscosity:	Not available
Auto-ignition temp:	No data available		

#### 10. Stability and Reactivity

<b>Reactivity:</b>	The product is non-reactive under normal conditions of use, storage and transport.
<b>Stability:</b>	Stable under normal conditions.
<b>Hazardous Decomposition Products:</b>	Under normal conditions of storage non-hazardous.
<b>Hazardous Polymerization:</b>	No dangerous reactions known under normal conditions of use.
<b>Incompatibilities:</b>	No additional information available.
<b>Conditions to Avoid:</b>	Direct sunlight. Air contact. Moisture.

#### 11. Toxicological Information

<b>Acute toxicity (oral/dermal/inhalation) :</b>	Not classified
<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>STOT-single exposure:</b>	Not classified
<b>STOT-repeated exposure:</b>	Not classified
<b>Aspiration hazard:</b>	Not classified

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#### 12. Ecological Information

<b>Ecology - general:</b>	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
<b>Persistence and Degradability:</b>	No additional information available
<b>Bioaccumulative potential:</b>	No additional information available
<b>Mobility in soil:</b>	No additional information available.
<b>Results of PBT and vPvB assessment:</b>	No additional information available.

#### 13. Disposal Considerations

Dispose of contents/container in accordance with licensed collector's sorting instructions.

#### 14. Transport Information

<b>DOT USA &amp; ADR/IRD:</b>	Not regulated.
<b>IMDG:</b>	Not regulated.
<b>IATA:</b>	Not regulated.

#### 15. Regulatory Information

This Safety datasheet complies with the requirements of Regulation (EC) No 1907/2006

#### 16. Other Information

The information above 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 ASES CHEMICAL WORKS assume no liability resulting from its use.