

# BERRY & ASSOCIATES/ICON ISOTOPES

## Safety Data Sheet

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### Zebularine

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

Product name	Zebularine
Product number	PY 7715
Brand	Berry&Associates
Substance name	Zebularine
CAS no.	3690-10-6

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Laboratory chemicals; Manufacture of substance

##### 1.3 Details of the supplier of the safety data sheet

Name	Berry & Associates/ICON Isotopes
Address	2434 Bishop Circle East Dexter, MI 48130 USA
Telephone	734-426-3787
Fax	734-426-9077
email	alchem@berryassoc.com

##### 1.4 Emergency telephone number

USA /Canada 800-424-9300  
All else 703-527-3887

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#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance or mixture

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

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

##### 2.2 Label elements

###### Labelling according to Regulation (EC) No 1272/2008 [CLP]

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

##### 2.3 Other hazards

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

## **SECTION 3: Composition/information on ingredients**

### **3.1 Substances**

Substance name	Zebularine
CAS no.	3690-10-6
Formula	C <sub>9</sub> H <sub>12</sub> N <sub>2</sub> O <sub>5</sub>
Molecular weight	228.19

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## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

Following inhalation	Move to fresh air. Get medical attention if symptoms occur.
Following skin contact	Wash skin with soap and water.
Following eye contact	Immediately flush eyes with water for at least 15 minutes. Get medical attention if symptoms occur.
Following ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

### **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### **5.2 Special hazards arising from the substance or mixture**

Carbon monoxide and carbon dioxide, nitrogen oxides (NO<sub>x</sub>)

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus if necessary and full protective gear to prevent contact with skin and eyes.

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid raising and breathing dust, provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus and appropriate personal protection (safety goggles, heavy rubber gloves and rubber boots).

### **6.2 Environmental precautions**

Take measures to avoid release into the environment, do not let product enter drains.

### **6.3 Methods and material for containment and cleaning up**

Contain spill and collect as appropriate. Sweep up and shovel. Transfer to chemical waste container in accordance with local regulations.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Keep container tightly sealed.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed and in a dry, well-ventilated area at 5 °C. Protect from heat and store away from oxidizing agents.

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## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

### **8.2 Exposure controls**

#### **Appropriate engineering controls**

Use industrial hygiene practices to control hazardous materials. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands after use.

#### **Personal protection equipment**

##### **Eye and face protection**

Safety glasses

##### **Skin protection**

Chemical-resistant gloves

##### **Respiratory protection**

NIOSH approved respirator, as conditions warrant.

##### **Environmental exposure controls**

Do not let material enter drains.

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## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Appearance	Solid
Odour	No data available.
Odour threshold	No data available.
pH	No data available.
Melting point / freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapour pressure	No data available.
Vapour density	No data available.
Relative density	No data available.
Solubilit(ies)	Soluble in DMSO

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Partition coefficient: n-octanol/water  
Auto-ignition temperature  
Decomposition temperature  
Viscosity  
Explosive properties  
Oxidising properties

No data available.  
No data available.  
No data available.  
No data available.  
No data available.  
No data available.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage conditions: 5 °C

### 10.3 Possibility of hazardous reactions

Reacts with strong oxidizing agents.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

Heat.

### 10.6 Hazardous decomposition products

No data available.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

May be harmful if swallowed.

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/irritation

May cause eye irritation.

#### Respiratory or skin sensitization

No data available.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

No data available.

#### Reproductive toxicity

No data available.

#### Summary of evaluation of the CMR properties

No data available.

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### **STOT-single exposure**

No data available.

### **STOT-repeated exposure**

No data available.

### **Aspiration hazard**

No data available.

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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

No data available.

### **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.

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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal of the product**

Dispose in accordance with local, state and federal regulations.

#### **Disposal of contaminated packaging**

Dispose in accordance with local, state and federal regulations.

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## **SECTION 14: Transport information**

### **DOT (US), IMDG, IATA**

Not dangerous goods

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## **SECTION 16: Other information**

### **Further information/disclaimer**

The Information in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Safety Data Sheet is designed only as guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Users should make independent decisions regarding completeness of information based on all sources available. Berry & Associates, Inc. shall not be held liable for any damage resulting from handling or contact with the above product.