

# BERRY & ASSOCIATES

## Safety Data Sheet 5-Iodo-2'-deoxyuridine

---

### SECTION 1: Identification

#### 1.1 Product identifier

Product name	5-Iodo-2'-deoxyuridine
Product number	PY 7615
Brand	Berry & Associates
Substance name	5-Iodo-2'-deoxyuridine
CAS no.	54-42-2

#### 1.2 Other means of identification

N/A

#### 1.3 Recommended use of the chemical and restrictions on use

Laboratory chemicals; Manufacture of substance

#### 1.4 Supplier's details

Name	Berry & Associates
Address	2434 Bishop Circle East Dexter, MI 48130 USA

Telephone	734-426-3787
email	orders@berryassoc.com

#### 1.5 Emergency phone number(s)

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

---

### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

#### 2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

#### 2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

---

# Safety Data Sheet

## 5-Iodo-2'-deoxyuridine

---

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Substance name	5-Iodo-2'-deoxyuridine
CAS no.	54-42-2
Formula	C <sub>9</sub> H <sub>11</sub> IN <sub>2</sub> O <sub>5</sub>
Molecular weight	354.10
Other names / synonyms	5-Iodo-2'-deoxyuridine

---

### SECTION 4: First-aid measures

#### 4.1 Description of necessary first-aid measures

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

#### 4.2 Most important symptoms/effects, acute and delayed

No further relevant information available.

#### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

No further relevant information available.

---

### SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

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

#### 5.2 Specific hazards arising from the chemical

No data available.

#### 5.3 Special protective actions for fire-fighters

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

---

### 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.

# Safety Data Sheet

## 5-Iodo-2'-deoxyuridine

### 6.3 Methods and materials 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.

---

## SECTION 8: Exposure controls/personal protection

### 8.2 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.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/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.

---

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	White powder.
Odor	No data available.
Odor 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.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	Soluble in MeOH, DMSO, DMF
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.

# Safety Data Sheet

## 5-Iodo-2'-deoxyuridine

Decomposition temperature  
Viscosity  
Explosive properties  
Oxidizing properties

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

---

### 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

No data available.

#### 10.6 Hazardous decomposition products

No data available.

---

### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

No data available.

##### 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

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or known carcinogen by OSHA.

# Safety Data Sheet

## 5-Iodo-2'-deoxyuridine

### Reproductive toxicity

No data available.

### Summary of evaluation of the CMR properties

No data available.

### STOT-single exposure

No data available.

### STOT-repeated exposure

No data available.

### Aspiration hazard

No data available.

---

## SECTION 12: Ecological information

### Toxicity

No data available.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

No data available.

---

## SECTION 13: Disposal considerations

### 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.

---

## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

---

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations specific for the product in question**

**SARA 313 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

**California Prop. 65 Components**

Substance is not listed.

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 311/312 Hazards**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 311/312.

**Massachusetts Right To Know Components**

Substance is not listed.

**New Jersey Right To Know Components**

Substance not listed.

**Pennsylvania Right To Know Components**

Substance not listed.

---

## **SECTION 16: Other information**

### **16.1 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.