

## SECTION 1 - Chemical Product and Company Identification

### 1.1 Product Identifiers

Product Name : Uridine  
CAS # : 58-96-8  
EC# : 200-407-5

### 1.2 Recommended Use of the Chemical and Restrictions of Use

Chemical manufacturing

### 1.3 Supplier Details

Supplier : BioSpectra, Inc.  
100 Majestic Way  
Bangor, PA 18013  
T: 610-599-3400  
[ehs@biospectra.us](mailto:ehs@biospectra.us)

### 1.4 Emergency Numbers

Emergency Numbers : US & Canada: 1-800-424-9300  
: Outside the US & Canada: +1 703-527-3887

## SECTION 2 - Hazards Identification

### 2.1 Classification of the Substance or Mixture

Not classified as a hazardous material

### 2.2 GHS Label Element Including Precautionary Statements

Not classified as a hazardous material

## SECTION 3 - Composition, Information on Ingredients

Chemical Name : Uridine  
Synonyms : Uracil-1- $\beta$ -D-ribofuranoside, 1- $\beta$ -D-Ribofuranosyluracil  
Chemical Formula : C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>O<sub>6</sub>  
CAS # : 58-96-8  
EC# : 200-407-5

## SECTION 4 - First Aid Measures

### 4.1 Description of Necessary First Aid Measures:

Eyes : Flush eyes with water for 15 minutes. Ensure to life lower and upper eyelids.  
Skin : Wash exposed area with plenty of water. Remove contaminated clothing before reuse.  
Ingestion : Never give anything by mouth to an unconscious person. Rinse mouth with water.  
Inhalation : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

## SECTION 5 - Firefighting Measures

### 5.1 Extinguishing Media

Use extinguisher appropriate for surrounding media

### 5.2 Specific Hazards Associated with this Chemical

Carbon Oxides, Nitrogen Oxides (NO<sub>x</sub>)

### 5.3 Special Equipment/Precautions for Firefighters

Wear self-contained breathing apparatus for fire-fighting if necessary.

## SECTION 6 – Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Evacuate personnel to safe areas.

### 6.2 Environmental Precautions

Do not allow to enter drains.

### 6.3 Methods and Materials for Containment and Cleaning Up

Sweep up and shovel into appropriate containers for disposal. Caustic 10% may be used to decontaminate the area, keep area well ventilated.

## SECTION 7 - Handling and Storage

### 7.1 Precautions for Safe Handling

Workers should wash hands and face before eating, drinking and smoking. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Keep away from air and light. Potential for combustible dust formation, handle in a well-ventilated area.

### 7.2 Conditions for Storage Including any Incompatibilities

Keep container tightly closed. Store in a dry and well-ventilated area..

## SECTION 8 - Exposure Controls, Personal Protection

### 8.1 Control Parameters

Not a substance with occupational exposure limit values.

### 8.2 Personal Protective Measures

#### Eyes

Face shield and or safety glasses. Use equipment for eye protection and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

#### Skin

Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear appropriate protective clothing to prevent skin exposure.

#### Hand

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Respirators

Dust respirator for nuisance dust, follow local and national regulations.

## SECTION 9 – Physical and Chemical Properties

### 9.1 Chemical Property Information

Physical State	: Crystalline solid
Appearance	: White Crystals
Odor	: No information available
pH	: No information available
Vapor Density	: No information available
Viscosity	: No information available
Density	: No information available
Vapor Pressure	: No information available
Melting Point	: 163-167°C
Boiling Point	: No information available
Specific Gravity/Density	: No information available
Solubility	: Easily soluble in cold water
Molecular Weight	: 244.2 g/mol
Molecular Formula	: No information available
Decomposition Temperature	: No information available
Freezing/Melting Point	: No information available

## SECTION 10 - Stability and Reactivity

### 10.1 Chemical Stability

Stable under recommended conditions.

### 10.2 Conditions to Avoid

Incompatible materials, strong oxidants, heat

### 10.3 Incompatibilities with Other Materials

Strong oxidizing agents.

### 10.4 Hazardous Decomposition Products

Carbon oxides (CO, CO<sub>2</sub>), Nitrogen oxides (NO, NO<sub>2</sub>)

## SECTION 11 - Toxicological Information

### 11.1 Toxicological Effects:

LD50/LC50	: 4,335 mg/kg (Mouse)
Carcinogenicity	: No information available

Potential Health Effects:

Inhalation	: No information available
Ingestion	: No information available
Skin	: No information available
Eyes	: No information available
Epidemiology	: No information available
Teratogenicity	: No information available
Reproductive Effects	: No information available
Neurotoxicity	: No information available
Mutagenicity	: No information available

## SECTION 12 - Ecological Information

### 12.1 Ecotoxicity

This product and its products are not toxic.

### 12.2 Persistence and Degradability

No information available

### 12.3 Bioaccumulative Potential

No information available

### 12.4 Mobility in Soil

No information available

### 12.5 Result of PBT and vPvB assessment

No information available

## SECTION 13 - Disposal Considerations

### 13.1 Disposal Methods

Contact a licensed professional waste disposal service to dispose of this material according to applicable local/state/federal regulations.

## SECTION 14 - Transport Information

Regulations	US DOT	ADR	IATA	IMDG
Shipping Name:	Not Dangerous Goods	Not Dangerous Goods	Not Dangerous Goods	Not Dangerous Goods
Hazard Class:				
UN Number:				
Packing Group:				

## SECTION 15 - Regulatory Information

SARA 302 RQ	No	RCRA CERCLA	Not Applicable
SARA 302 TPQ	No	RCRA 261.33	No
SARA 313 List Chemical	No	TSCA INVENTORY	Yes
SARA 313 Category	No	TSCA 8(d)	No

## SECTION 16 - Additional Information

### 16.1 Hazard Ratings

NFPA Classification	
Health	0
Fire	1
Reactivity	0

HMIS Classification	
Health	0
Fire	1
Reactivity	0
Personal Protection	A

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