

# SAFETY DATA SHEET

## HYDROXYUREA

### SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

**BioShop Canada Inc.**  
**5480 Mainway**  
**Burlington, Ontario L7L 6A4**  
**1-800-234-1179**  
**Emergency Telephone No.: 1-905-466-3832**  
**Chemical Name:** Hydroxyurea  
**Catalog Number:** HYD023

### SECTION 2 HAZARDS IDENTIFICATION

#### GHS Classification:

Germ cell mutagenicity, Category 1B  
Reproductive toxicity, Category 2

#### Pictogram:



**Signal word:** DANGER

#### Hazard statement:

H340 May cause genetic defects.  
H361 Suspected of damaging fertility or the unborn child.

#### Precautionary statement:

P201 Obtain special instructions before use.  
P281 Use personal protective equipment as required.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

#### Potential Health Effects

**The toxicological properties of this substance has not been fully investigated**

**Eyes:** May cause eye irritation.

**Skin:** May causes skin irritation. May be harmful if absorbed through skin

**Inhalation:** May cause irritation. May be harmful if inhaled.

**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed

**CHRONIC HEALTH HAZARDS:** no information found

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Hydroxyurea	127-07-1	99+

**Molecular Formula:** CH4N2O2

**Molecular Weight:** 76.1

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with plenty of water for at least 15 minutes. Get medical aid if irritation occurs

**Skin:** Flush area immediately with plenty of soap and water while removing contaminated clothing and shoes..

**Inhalation:** Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen . GET MEDICAL ATTENTION.

**Ingestion:** Wash mouth with water. Do not induce vomiting. GET MEDICAL ATTENTION if feeling unwell.

### SECTION 5 FIRE FIGHTING MEASURES

**Flammable:** No

**Flash Point:** N/A

**Autoignition Temperature:** N/A

**Extinguishing Media:** Use water spray, foam, dry chemical or carbon dioxide.

**Explosion Data:** Not available

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.

**Leak and Spill Procedures:** Ventilate the area. Wear appropriate protective equipment. Vacuum or sweep and place in a closed container. Avoid dust generation.

### SECTION 7 HANDLING AND STORAGE

**Handling:** Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Minimize dust generation.

**Storage Conditions:** Room temperature.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: none listed

Use adequate ventilation. AVOID DUST GENERATION.

Wear appropriate protective equipment to prevent eye and skin exposure.

Wear appropriate respirator to prevent lung irritation.

**Personal Protection:** Lab coat, safety goggles, rubber gloves.

**Ventilation:** Local exhaust systems. Use fume hood

**Respiratory protection:** use OSHA/MSHA approved respirator.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** powder

**Appearance and Odor:** white . no odor

**Freezing/Melting Point:** N/A

**Boiling Point:** N/A

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**Specific Gravity:** N/A  
**Vapor Density:** N/A  
**Solubility:** water  
**pH:** N/A

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.  
Observe all federal, provincial and state laws concerning health, safety and pollution.

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable at normal room temperature and pressure  
**Conditions to avoid:** dust generation, light, excess heat  
**Incompatibility:** Oxidizing agents, strong acids.  
**Hazardous Decomposition Products:** carbon monoxide, carbon dioxide.  
**Hazardous Polymerization:** Has not been reported

### SECTION 11 TOXICOLOGICAL PROPERTIES

#### Exposure Limits:

**LD50:** rat, >5,000mg/kg

**Epidemiology:** No data available  
**Teratogenicity:** No data available  
**Reproductive Effects:** may cause reproductive disorders  
**Neurotoxicity:** No data available  
**Mutagenicity:** germ cell mutagenicity  
**Carcinogenicity:** Not listed by ACGIH, IARC, NTP, or OSHA

### SECTION 12 ECOLOGICAL INFORMATION

No information found.

### SECTION 13 DISPOSAL CONSIDERATION

**Waste Disposal:** Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

### SECTION 14 TRANSPORT INFORMATION

**Shipping Information:** Not hazardous for shipping

### SECTION 15 REGULATORY INFORMATION

**US :** TSCA: listed  
**European/International:** Hazard symbols: N/A. Safety phrases: S 24/25  
Avoid contact with skin and eyes.  
**Canada:** WHMIS: D1B, D2B

### SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)  
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