

# SAFETY DATA SHEET

## 5-FLUOROOROTIC ACID

### 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:** 5-Fluoroorotic acid  
**Catalog Number:** FOA555/FOA666

**Inhalation:** causes irritation.. May be harmful if inhaled  
**Ingestion:** Harmful if swallowed

**CHRONIC HEALTH HAZARDS:** no information found

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
<b>5-FOA</b>	<b>703-95-7</b>	>99%

**Molecular Formula:** C<sub>5</sub>H<sub>3</sub>FN<sub>2</sub>O<sub>2</sub>  
**Molecular Weight:** 174.1

### SECTION 2 HAZARDS IDENTIFICATION

#### GHS: Classification:

Acute toxicity, Oral (Category 4)  
Skin irritation (Category 2)  
Eye irritation (Category 2A)

#### Pictogram:



**Signal word:** WARNING

#### Hazard statement:

H302 Harmful if swallowed  
H315 Causes skin irritation  
H319 Causes serious eye irritation

#### Precautionary statement:

P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/ eye protection/ face protection.  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continuerinsing.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents/ container to an approved waste disposal plant.

#### Potential Health Effects

**Target Organs:** skin, eyes, respiratory system  
**Eyes:** causes eye irritation.  
**Skin:** causes skin irritation.

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with plenty of water for at least 15 minutes. GET MEDICAL AID.  
**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. GET MEDICAL ATTENTION .

### 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.  
**Leak and Spill Procedures:** Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container

### 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.  
**Storage Conditions:** Room temperature.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: not available  
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.

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### SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)  
Date Prepared: Jan 1/2025  
Phone: (800) 234-1179

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 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** solid  
**Appearance and Odor:** white to slightly yellow powder  
**Melting Point:** 268-269° C  
**Boiling Point:** N/A  
**Specific Gravity:** N/A  
**Vapor Density:** N/A  
**Water Solubility:** yes  
**pH:** N/A

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable under normal conditions of pressure and temperature.  
Hygroscopic  
**Conditions to avoid:** generation of dust.  
**Incompatibility:** Strong oxidizing agents  
**Hazardous Decomposition Products:** carbon, sulfur oxides  
**Hazardous Polymerization:** Will not occur

### SECTION 11 TOXICOLOGICAL PROPERTIES

#### Exposure Limits:

LD50 / LC50:  
LD50: oral, mouse 981 mg/kg

**Epidemiology:** No data available  
**Teratogenicity:** No data available  
**Reproductive Effects:** No data available  
**Neurotoxicity:** No data available  
**Mutagenicity:** No data available  
**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 REGULATED**

### SECTION 15 REGULATORY INFORMATION

US : TSCA: not listed  
European/International: N/A  
Canada: WHMIS: **D2B**