



## SAFETY DATA SHEET

DATE: 4<sup>th</sup> May 2026

### **1. Identification**

**Product Name:** Fluorouracil

**CAS Number:** 51-21-8

**Recommended use/Use advised against:** No information available

#### **Details of the Australian Supplier:**

Astral Scientific Pty Ltd  
29 Mangrove Lane  
Taren Point NSW 2229

**Company Phone Number:** 02 9540 2055

**Email Address:** [support@astralscientific.com.au](mailto:support@astralscientific.com.au)

**Emergency Telephone Number:** 13 11 26

### **2. Hazard(s) Identification**

#### **Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910. 1200)

#### **Label Elements**

**Signal Word:** Danger

**Hazard Statements:** H301 Toxic if swallowed. H351 Suspected of causing cancer.



**Precautionary Statements:** Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Response: P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth. P308 + P313 IF exposed or concerned: Get medical advice/ attention. Storage: P405 Store locked up. Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

### 3.Composition / Information on ingredients

Component	CAS #	Purity / Weight %
Fluorouracil	51-21-8	>= 60 - <= 100

### 4.First-aid measures

<b>General Advice</b>	If symptoms persist, call a physician.
<b>Eye Contact</b>	Rinse immediately with plenty of water, remove contact lenses. Get medical attention.
<b>Skin Contact</b>	Take off immediately all contaminated clothing. Rinse skin with water/ shower, call a physician.
<b>Inhalation</b>	Remove to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	Immediately make victim drink water (two glasses at most). Get immediate medical attention if symptoms occur.

**Most important symptoms/effects**      The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

**Notes to physician**      Treat symptomatically

### 5.Fire-fighting measures

**Suitable extinguishing media**      Water, Foam, Carbon dioxide (CO<sub>2</sub>), Dry powder

**Unsuitable extinguishing media**      No information available

**Flash Point**      No information available

**Method**      No information available

**Autoignition temperature**      No information available

#### Explosion limits

**Upper**      No information available

**Lower**      No information available

**Sensitivity to mechanical impact**      No information available

**Sensitivity to static discharge**      No information available

**Specific hazards arising from the chemical**      No information available

**Hazardous combustion products**      Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Hydrogen fluoride

## **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **6.Accidental release measure**

<b>Personal precautions</b>	Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation.
<b>Environmental precautions</b>	Should not be released into the environment. See section 12 for additional Ecological Information.
<b>Methods for containment/clean-up</b>	Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

## **7.Handling and storage**

<b>Handling</b>	Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes.
<b>Storage</b>	Great care should be taken to prevent inhaling particles of Fluorouracil and exposing the skin to it. Keep container tightly closed in a dry and well-ventilated place.

## **8.Exposure controls / personal protection**

### **Personal protective equipment**

<b>Eye/Face protection</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910. 133 or European Standard EN166.
<b>Skin and body protection</b>	Wear appropriate protective gloves and clothing to prevent skin exposure.
<b>Respiratory protection</b>	Use a approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.

## **9.Physical and chemical properties**

<b>Physical state</b>	Powder
<b>Appearance</b>	White to practically white
<b>Odor</b>	Practically Odorless
<b>Odor threshold</b>	No information available

<b>pH</b>	No information available
<b>Melting point/range</b>	No information available
<b>Boiling point/range</b>	No information available
<b>Flash point</b>	No information available
<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability or explosive elements:</b>	
<b>Upper</b>	No information available
<b>Lower</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Specific gravity</b>	No information available
<b>Solubility</b>	No information available
<b>Partition coefficient; n-octanol/water</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity</b>	No information available

## **10.Stability and reactivity**

<b>Reactive hazard</b>	None known, based on information available
<b>Stability</b>	Stable under normal conditions
<b>Conditions to avoid</b>	No information available
<b>Incompatible materials</b>	No information available
<b>Hazardous decomposition products</b>	In the event of fire please see section 5
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur
<b>Hazardous reactions</b>	Violent reactions possible with: Strong oxidizing agents and Bases

## **11.Toxicological information**

### **Acute Toxicity**

#### **Product information / Component information**

LD50 Oral	LD50 Dermal	LC50 Inhalation
Rat - 230 mg/kg	Absorption	No information available

**Toxicologically synergistic products** No information available

#### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Irritation** No information available

**Sensitization** No information available

**Carcinogenicity** No information available

**Mutagenic effects** No information available

**Reproductive effects** No information available

**Developmental effects** No information available

**Teratogenicity** No information available

**STOT – single exposure** No information available

**STOT – repeated exposure** No information available

**Aspiration hazard** No information available

**Endocrine disruptor information** No information available

**Other adverse effects** The toxicological properties have not been fully investigated.

## **12.Ecological information**

### **Ecotoxicity**

Do not empty into drains

**Persistence and degradability** Not readily biodegradable.

**Bioaccumulation/accumulation** No information available

**Mobility** No information available

## **13.Disposal considerations**

**Waste disposal methods** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional

and national hazardous waste regulations to ensure complete and accurate classification.

**14. Transport information**

<b>DOT</b>	Not regulated
<b>TDG</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG/IMO</b>	Not regulated

**Revision Note** No information available.

**Disclaimer**

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**End of Safety Data Sheet**