

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Uridine

Product Number : U3750  
Brand : Sigma

Company : Sigma-Aldrich Canada, Ltd  
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OAKVILLE ON L6H 6J8  
CANADA

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Uracil-1-β-D-ribofuranoside  
1-β-D-Ribofuranosyluracil

Formula : C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>O<sub>6</sub>  
Molecular Weight : 244.2 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
Uridine			
58-96-8	200-407-5	-	-

## 3. HAZARDS IDENTIFICATION

WHMIS Classification  
Not WHMIS controlled. Not WHMIS controlled.

HMIS Classification  
Health Hazard: 0  
Flammability: 0  
Physical hazards: 0

## Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.  
Skin May be harmful if absorbed through skin. May cause skin irritation.  
Eyes May cause eye irritation.  
Ingestion May be harmful if swallowed.

## 4. FIRST AID MEASURES

If inhaled  
If breathed in, move person into fresh air. If not breathing give artificial respiration

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In case of skin contact  
Wash off with soap and plenty of water.

In case of eye contact  
Flush eyes with water as a precaution.

If swallowed  
Never give anything by mouth to an unconscious person. Rinse mouth with water.

## 5. FIRE-FIGHTING MEASURES

Flammable properties  
Flash point no data available  
Ignition temperature no data available  
Suitable extinguishing media  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Special protective equipment for fire-fighters  
Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions  
Avoid dust formation.

Environmental precautions  
Do not let product enter drains.

Methods for cleaning up  
Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

Handling  
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage  
Keep container tightly closed in a dry and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment  
Respiratory protection  
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection  
For prolonged or repeated contact use protective gloves.

Eye protection  
Safety glasses

Hygiene measures  
General industrial hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

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Form crystalline  
Colour white

Safety data  
pH no data available  
Melting point 163 - 167 °C (325 - 333 °F)  
Boiling point no data available  
Flash point no data available  
Ignition temperature no data available  
Lower explosion limit no data available  
Upper explosion limit no data available  
Water solubility no data available

## 10. STABILITY AND REACTIVITY

Storage stability  
Stable under recommended storage conditions.

Materials to avoid  
Strong oxidizing agents

Hazardous decomposition products  
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity  
LD50 Intraperitoneal - mouse - 4,335 mg/kg  
Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Change in motor activity (specific assay).

Irritation and corrosion  
no data available

Sensitisation  
no data available

Chronic exposure

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.

Genotoxicity in vitro - Mammal - lymphocyte  
DNA damage

Genotoxicity in vivo - mouse - Intraperitoneal  
Micronucleus test

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## 12. ECOLOGICAL INFORMATION

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## Elimination information (persistence and degradability)

no data available

## Ecotoxicity effects

no data available

## Further information on ecology

no data available

## 13. DISPOSAL CONSIDERATIONS

Product  
Dispose of according to all federal, state, and local environmental regulations.

Contaminated packaging  
Dispose of as unused product.

## 14. TRANSPORT INFORMATION

DOT (US)  
Not dangerous goods

IMDG  
Not dangerous goods

IATA  
Not dangerous goods

## 15. REGULATORY INFORMATION

TSCA Status  
On TSCA Inventory

DSL Status  
All components of this product are on the Canadian DSL list.

WHMIS Classification  
Not WHMIS controlled. Not WHMIS controlled.

## 16. OTHER INFORMATION

Further information  
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