

## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name **2'-O-Methyluridine**  
Catalog Number: **CGIMFB-2603**  
CAS-No 2140-76-3  
Synonym/Trade Name: 2'-O-Methyluridine  
Recommended Use Laboratory chemicals.  
Manufacturer or supplier's ChemGenes India Pvt. Ltd  
207, Regency Plaza, 5-Park Road  
Lucknow-226 001,U.P, India,  
Ph: +91 86874 21036,  
Email: info@chemgenesindia.com

### SECTION 2. HAZARDS IDENTIFICATION

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

Based on available data, the classification criteria are not met

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

None required

Hazards not otherwise classified (HNOC)

None identified

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
2'-O-Methyluridine	2140-76-3	<=100

### SECTION 4. FIRST-AID MEASURES

#### Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

#### Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.

#### Inhalation

Remove to fresh air. Get medical attention immediately if symptoms occur.

#### Ingestion

Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

#### Most important symptoms and effects

None reasonably foreseeable.

#### Notes to Physician

Treat symptomatically

## SECTION 5. FIRE-FIGHTING MEASURES

Unsuitable Extinguishing Media	No information available
Flash Point	No information available
Method -	No information available
Autoignition Temperature	No information available
Explosion Limits	
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available
Specific Hazards Arising from the Chemical	
Keep product and empty container away from heat and sources of ignition.	

### Hazardous Combustion Products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

### 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.

#### NFPA

Health	Flammability	Instability	Physical hazards
0	1	0	-

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.
Environmental Precautions	Should not be released into the environment. Section 12 for additional Ecological Information.
Methods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Avoid dust formation.	

## SECTION 7. HANDLING AND STORAGE

Handling Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.

Storage Keep refrigerated.

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure

Limits established by the region-specific regulatory bodies.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Guidelines Exposure

This product does not contain any hazardous material which may cause occupational exposure.  
Limit established by the region specific regulatory bodies.

### Engineering Measures

None under normal use conditions.

### Personal Protective Equipment

#### Eye/face Protection

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.

#### Skin and body protection skin exposure.

Wear appropriate protective gloves and clothing to prevent skin exposure.

#### Respiratory Protection

No protective equipment is needed under normal use conditions.

#### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9.

## PHYSICAL AND CHEMICAL PROPERTIES

### Physical State Solid

#### Appearance

White - Off-white

#### Odor

No information available

#### Odor Threshold

No information available

#### pH

No information available

#### Melting Point/Range

No data available

#### Boiling Point/Range

No information available

#### Flash Point

No information available

#### Evaporation Rate

Not applicable

#### Flammability (solid,gas)

No information available

#### Flammability or explosive limits

##### Upper

No data available

##### Lower

No data available

#### Vapor Pressure

No information available

#### Vapor Density

Not applicable

#### Specific Gravity

No information available

#### Solubility

No information available

#### Partition coefficient; n-octanol/water

No data available

#### Autoignition Temperature

No information available

#### Decomposition Temperature

information available

#### Viscosity

applicable

#### Molecular Formula

H14 N2 O6

#### Molecular Weight

258.23

**SECTION 10.**

**STABILITY AND REACTIVITY**

Reactive Hazard None known, based on information available  
Stability Stable under normal conditions.  
Conditions to Avoid Incompatible products.  
Incompatible Materials Strong oxidizing agents

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>)  
Hazardous Polymerization Hazardous polymerization does not occur.  
Hazardous Reactions None under normal processing.

**SECTION 11.**

**TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

Product Information  
Component Information  
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 The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
2'-O-Methyluridine	2140-76-3	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects No information available  
Reproductive Effects No information available.  
Developmental Effects No information available.  
Teratogenicity No information available.

STOT - single exposure None known  
STOT - repeated exposure None known  
Aspiration hazard No information available  
Symptoms / effects, both acute and delayed No information available  
Endocrine Disruptor Information No information available  
Other Adverse Effects The toxicological properties have not been fully investigated.

**Section 12.**

**Ecological information**

Ecotoxicity  
Do not empty into drains.

Persistence and Degradability      No information available  
 Accumulation                              No information available.  
 Mobility                                        No information available.

**SECTION 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.

**SECTION 14. TRANSPORT INFORMATION**

DOT    Not regulated  
TDG    Not regulated  
IATA    Not regulated  
IMDG/IMO                                      Not regulated

**SECTION 15. REGULATORY INFORMATION**

United States of America Inventory

**TSCA**

Component	CAS-No	TSCA	Inventory notification - Active/Inactive	TSCA - EPA Regulatory Flags
2'-O-Methyluridine	2140-76-3	-	-	-

Legend:

**TSCA** - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

'-' - Not Listed

**TSCA 12(b)** - Notices of Export      Not applicable

**International Inventories**

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Australia (AICS), China (IECSC), Korea (ECL).

Component	CAS-No	DSL	NDSL	EINECS	PICCS	ENCS	AICS
IECSC	KEC						
2'-O-Methyluridine	2140-76-3	-	-	-	-	-	-

**U.S. Federal Regulations**

SARA 313                                      Not applicable

SARA 311/312 Hazard Categories              See section 2 for more information

CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
OSHA - Occupational Safety and Health Administration	Not applicable
CERCLA	Not applicable
California Proposition 65	This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations	Not applicable
U.S. Department of Transportation	
Reportable Quantity (RQ):	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N
U.S. Department of Homeland Security	This product does not contain any DHS chemicals.

**Other International Regulations**

Mexico - Grade	No information available
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**SECTION 16.**

**OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ChemGenes India Pvt. Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

-----END OF MSDS -----