

## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name **2'-O-Methylcytidine**  
Catalog Number : **CGMFB-2601**  
CAS-No 2140-72-9  
Synonym/Trade Name: 2'-O-Methylcytidine, 2'OmeC  
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 of the substance or mixture  
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008  
Label elements  
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008  
Other hazards - none

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances  
Formula : C<sub>10</sub>H<sub>15</sub>N<sub>3</sub>O<sub>5</sub>  
Molecular weight : 257,24 g/mol  
CAS-No. : 2140-72-9  
No components need to be disclosed according to the applicable regulations.

### SECTION 4: FIRST AID MEASURES

Description of first-aid measures  
If inhaled  
If breathed in, move person into fresh air. If not breathing, give artificial respiration.

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.  
Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

#### **SECTION 5: FIREFIGHTING MEASURES**

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides Nitrogen oxides (NO<sub>x</sub>)

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information: No data available

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

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

Reference to other sections

For disposal see section 13.

#### **SECTION 7: HANDLING AND STORAGE**

Precautions for safe handling

Advice on protection against fire and explosion

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

Hygiene measures

General industrial hygiene practice. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities Storage conditions

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

Storage stability

Recommended storage temperature-20 °C

Storage class

Storage class (TRGS 510): 13: Non Combustible Solids

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters

Ingredients with workplace control parameters

Exposure controls

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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).

Control of environmental exposure

Do not let product enter drains.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

A. Physical state	Solid
B. Color	No data available
C. Odor	No data available
D. Melting point/freezing point	No data available
E. Initial boiling point	No data available
F. and boiling range	
G. Flammability	
H. (solid, gas)	No data available
I. Upper/lower	No data available
a. flammability or	

b. explosive limits	
J. Flash point	No data available
K. Autoignition temperature	No data available
L. Decomposition temperature	No data available
M. pH	No data available
N. Viscosity	
a. Viscosity, kinematic:	No data available
b. Viscosity, dynamic:	No data available
O. Water solubility	No data available
P. Partition coefficient: n-octanol/water	No data available
Q. Vapor pressure	No data available
R. Density	No data available
S. Relative vapor density	
T. Particle characteristics	No data available
U. Explosive properties	No data available
V. Oxidizing properties	No data available
9.2 Other safety information	No data available

**SECTION 10: STABILITY AND REACTIVITY**

## Reactivity

No data available

## Chemical stability

Stable under recommended storage conditions.

## Possibility of hazardous reactions

No data available

## Conditions to avoid

No data available

## Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

In the event of fire: see section 5

**SECTION 11: TOXICOLOGICAL INFORMATION**

## Information on toxicological effects

## Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation No data available

Serious eye damage/eye irritation No data available

Respiratory or skin sensitization No data available  
Germ cell mutagenicity No data available  
Carcinogenicity No data available  
Reproductive toxicity No data available  
Specific target organ toxicity - single exposure  
No data available  
Specific target organ toxicity - repeated exposure  
No data available  
Aspiration hazard No data available  
Additional Information No data available

**SECTION 12: ECOLOGICAL INFORMATION**

Toxicity No data available  
Persistence and degradability No data available  
Bioaccumulative potential No data available  
Mobility in soil No data available  
Results of PBT and vPvB assessment  
PBT/vPvB assessment not available as chemical safety assessment not required/not  
conducted  
Endocrine disrupting properties No data available  
Other adverse effects No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

13.1 Waste treatment methods Product  
Offer surplus and non-recyclable solutions to a licensed disposal company.  
Contaminated packaging  
Dispose of as unused product.

**SECTION 14: TRANSPORT INFORMATION**

UN number: NA  
ADR/RID: - IMDG: - IATA: -

UN proper shipping name  
ADR/RID : Not dangerous goods  
IMDG : Not dangerous goods  
IATA : Not dangerous goods

Transport hazard class(es)  
ADR/RID: - IMDG: - IATA: -  
Packaging group  
ADR/RID: - IMDG: - IATA: -

Environmental hazards  
ADR/RID: no IMDG Marine pollutant: no IATA: no  
Special precautions for user

Further information

Not classified as dangerous in the meaning of transport regulations.

**SECTION 15: REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

International Chemical Weapons Convention:  
(CWC) Schedules of Toxic Chemicals and  
Precursors

Restrictions on the marketing and use of certain :  
dangerous substances

Regulation (EC) No 649/2012 of the European :  
Parliament and the Council concerning the  
export and import of dangerous chemicals

Candidate List of Substances of Very High :  
Concern for Authorisation

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

**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 -----