

MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Product Name : **5-Bromouridine**
Synonyms: 1-Beta-Ribofuranosyl-5-Bromo-Uracil; 5-Bromo-1-((2R,3R,4S,5R)-3,4-dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)pyrimidine-2,4(1H,3H)-dione
Catalog Number: **CGIRP1192**
Recommended use: Laboratory Use only

Manufacturer or supplier's name and address:

ChemGenes India Pvt. Ltd
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Lucknow-226 001,U.P, India,
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SECTION 2. HAZARDS IDENTIFICATION

Health Hazards Not Classified
Environmental Hazards Not Classified
Physical Hazards Not Classified
Label Elements Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Other Hazards None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance related information

Substance Name: 5-Bromouridine
Synonyms: 1-Beta-Ribofuranosyl-5-Bromo-Uracil; 5-Bromo-1-((2R,3R,4S,5R)-3,4-dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)pyrimidine-2,4(1H,3H)-dione
CAS no.: 957-75-5
Formula: C₉H₁₁BrN₂O₆

SECTION 4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

In case 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 case 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) and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media

Use water spray

Alcohol-resistant foam

Dry chemical

Carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides

Nitrogen oxides (NO_x)

Hydrogen bromide gas

Fire-Fighting/Further Advice

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately.

Further information
No data available

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

Environmental precautions

Do not let product enter drains.

Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

Methods for Cleaning or Taking Up not available

Further Accidental Release Measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

SECTION 7. HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

Storage

Storage temperature

Store At -20 °C

Storage Requirements

Keep away from incompatible substances. Store in a cool, dry, well-ventilated area away from incompatible substances.

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

Form Powder

Appearance White

Molecular Weight 323.09

SECTION 10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Oral No data available

Inhalation No data available

Dermal No data available

LD50 Intraperitoneal –

Mouse 20.000 mg/kg

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 RTECS: YU7300000

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

Disposal 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

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

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental and national regulations

Product is not subject to any additional regulations or provisions.

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.

ChemGenes India Pvt. Ltd.

-----End of Safety Data Sheet-----