

Safety Data Sheet

Emtricitabine

Cat#: orb322933

1. Product and Company Identification Product

Name Emtricitabine

Product ID orb322933

2. Hazards Identification

GHS Classification Not classified. Caution - substance not yet fully tested.

GHS Label elements including precautionary statements

Pictogram

Signal word

Hazard and precautionary statements Not classified. Caution - substance not yet fully tested.

HMIS Classification Health hazard: 0
Chronic health hazard: *
Flammability: 0
Physical hazard: 0

NFPA Rating Health hazard: 0
Fire hazard: 0
Physical hazard: 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.

3. Composition/Information on Ingredients

Substances	Ingredient: Title Compound	Percent: 100
Formula	C ₈ H ₁₀ FN ₃ O ₃ S	Formula Wt. 247.25
CAS No.	143491-57-0	EC No. 604-363-1

4. First Aid Measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Eye Contact	Flush eyes with water as a precaution.
Skin Contact	Wash off with soap and plenty of water.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. Firefighting Measures

Flash Point	Not available.
Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Firefighting Procedures	Wear self-contained breathing apparatus for firefighting if necessary.
Unusual Fire Hazards	Carbon oxides, nitrogen oxides (NO _x).

6. Accidental Release Measures

Personal Precautions Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleanup Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: +4°C

Hazardous Decomposition Products Not available.

Other Remarks

8. Exposure Controls/Personal

Protection Personal protective equipment

EXPOSURE CONTROLS

Contains no substances with occupational exposure limit values.

General industrial hygiene practice.

PERSONAL PROTECTION

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.

Body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances and to the specific workplace. 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).

9. Physical and Chemical Properties

Physical State	Solid.	Color	White to off-white powder.
Boiling Point		Volatility	Not available.
Melting Point	Not available.	Density	Not available.
Solubility	Soluble in water 112 mg/mL. DMSO \geq 50 mg/ml, ethanol \geq 17 mg/ml. The log P for emtricitabine is -0.43 and the pKa is 2.65.	pH	Not available.
Flash Point	Not available.	Ignition temperature	Not available.
Lower explosion limit	Not available.	Autoignition temperature	Not available.
Upper explosion limit	Not available.	Vapor pressure	Not available.
Water solubility	Soluble in water 112 mg/mL.	Odor	Not available.
Partition coefficient: n-octanol/water Relative vapor density	Not available.	Odor Threshold	Not available.
	Not available.	Evaporation rate	Not available.

10. Stability and Reactivity

Stability

Stable under recommended storage conditions.

Materials To Avoid

Strong oxidizing agents.

Hazardous Decomposition Products

Not available.

Possibility of hazardous reactions

Not available

Conditions to avoid

Not available.

11. Toxicological Information

Oral LD50

Not available.

Skin corrosion/irritation

Not available.

Inhalation LC50

Not available.

Serious eye damage/irritation

Not available.

Dermal LD50

Not available.

Respiratory or skin sensitization

Not available.

Other information on acute toxicity

Not available.

Germ cell mutagenicity

Not available.

Reproductive Toxicity

Not available.

Aspiration Hazard

Not available.

Specific organ toxicity single exposure (GHS)

Not available.

Synergistic effects

Not available.

Specific organ toxicity repeated exposure (GHS)

Not available.

Additional Information

Not available.

Teratogenicity

Not available.

Signs and symptoms of exposure

Not available.

Potential Inhalation - May be harmful if inhaled. May cause respiratory tract irritation.

Health Effects Skin - May be harmful if absorbed through skin. May cause skin irritation.

Eyes - May cause eye irritation.

Ingestion - May be harmful if swallowed.

Carcinogenicity 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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

12. Ecological Information

Toxicity Not available.

Mobility in soil Not available.

Persistence and degradability Not available.

Bioaccumulative potential Not available.

PBT and vPvB PBT/vPvB assessment not available as **assessment** chemical safety assessment not required/not conducted.

Other adverse effects Not available.

13. Disposal Considerations

Waste Disposal

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

Offer material to a licensed, professional waste disposal company to dispose of as unused product.

14. Transport Information

DOT (US) Not dangerous goods.

IATA Not dangerous goods.

IMDG Not dangerous goods.

Further Information

15. Regulatory Information

Reach No.

SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Components No SARA hazards.

Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components Emtricitabine CAS #: 143491-57-0 Revision Date:

**New Jersey
Right To Know
Components**

Emtricitabine CAS #: 143491-57-0

Revision Date:

California Prop 65 This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Other information

The information in this document is believed to be correct but is not necessarily complete. Biorbyt does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.