

Safety Data Sheet

MANUFACTURER



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1. Product Identification

Product Name: Biotin-Alprenolol
Conjugate
CAS No.: N/A
Molecular Weight: 584.79 Da

Chemical Formula: C₂₇H₄₄N₄O₆S₂
Part No.: CM61002

2. Composition/Information on Ingredients

Substance Name: Biotin-Alprenolol conjugate
Description: 1.5 mL centrifuge tube containing purified and lyophilized 1 mg of Biotin-Alprenolol conjugate

3. Hazards Identification

3.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302

For the full text of the H-Statements mentioned in this Section, see Section 16.

3.2 GHS Label elements, including precautionary statements

Pictogram



Signal word Warning

Hazard statement(s)

H302 Harmful if swallowed.

Precautionary statement(s)

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

4. First Aid Measures

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

Inhalation: Remove to 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.

Skin Contact: Wash off with soap and plenty of water. Consult a physician.

Eye Contact: Flush eyes with water as a precaution.

5. Fire Fighting 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_x)

Advice for firefighters: wear self contained breathing apparatus for fire fighting if necessary.

Further information: no data available

6. Accidental Spill Measures

Personal precautions, protective equipment and emergency procedures: use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

Environmental precautions: do not let product enter drains.

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

Reference to other sections: for disposal see section 13.

7. Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 3.2.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

8. Exposure Controls/Personal Protection

Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment

Eye/face protection: Safety glasses with side-shields conforming to EN166 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: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. 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.

9. Physical and Chemical Properties

Physical State and Appearance: white solid

Odor: No information available

Solubility: No information available

Specific Gravity: No information available

pH: No information available

Boiling Point: No information available

Freezing/Melting Point: No information available

Flash Point: No information available

Vapor Density (Air=1): N/A

Vapor Pressure: N/A

Evaporation Rate (Butyl acetate =1): No information available

Partition coefficient; n-octanol/water: No information available

Autoignition Temperature: No information available

Decomposition Temperature: No information available

Viscosity: N/A

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Molecular Weight: 584.79 Da

10. Stability and Reactivity

Stability: Stable under recommended storage conditions.

Hazardous Decomposition Products: No information available

Hazardous Polymerization: No information available

Incompatibilities with Various Substances: No information available.

Conditions to Avoid: No information available

11. Toxicological Information

Information on toxicological effects:

Inhalation: No data available

Injection: No data available

Dermal: No data available

Eye contact: 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: Not listed as a carcinogen by ACGIH, IARC, NTP, or OSHA

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 information available

Additional information: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological Information

Environmental Fate: No information available

Physical: No information available

Environmental Toxicity: No information available

13. Disposal Considerations

Waste treatment methods

Product: offer surplus and non-recyclable solutions to a licensed disposal company

Contaminated packaging: dispose of as unused product.

14. Transport Information

DOT (US): Not dangerous goods

IATA: Not dangerous goods

IMDG: Not dangerous goods

15. Regulatory Information

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 Hazards

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

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

Pennsylvania Right To Know Components

Biotin sprenolol conjugate

New Jersey Right To Know Components

Biotin alprenolol conjugate

California Prop. 65 Components

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

16. Other Information

Full text of H-Statements referred to under sections 3 and 4.

Acute Tox. Acute toxicity
H302 Harmful if swallowed.

HMIS Rating

Health hazard: 1
Chronic Health Hazard: *
Flammability: 0
Physical Hazard 0

NFPA Rating

Health hazard: 1
Fire Hazard: 0
Reactivity Hazard: 0

References:

Chemical Abstract databases. OSHA, SARA. Alprenolol's SDS.

Other Special Considerations: Not available

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Product Use: Laboratory Reagent.

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Prepared by: CellMosaic, Inc. Health and Safety