

Safety Data Sheet

Dextromethorphan Hydrobromide Hydrate

Cat#: orb320428

Section 1. Product Identification

Product Name Dextromethorphan Hydrobromide Hydrate

Catalog No. orb320428

Chemical Name (Synonyms) (-)-3-Methoxy-N-methylmorphinon; delta-Methorphan

Section 2. Hazards Identification

GHS Classification Not a dangerous substance according to GHS.

GHS Label elements including precautionary statements

Pictogram -

Signal word: -

Hazard and precautionary statements

Hazard statement

Not a hazardous substance or mixture.

Precautionary statements

Not a hazardous substance or mixture.

HMIS Classification

Health hazard: 0

Chronic Health Hazard: -

Flammability: 0

Physical Hazard: 0

NFPA Rating

Health Hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Ingestion: May be harmful if swallowed.

Section 3. Composition/Information on Ingredients

Substances

Formula C₁₈H₂₅NO • HBr • H₂O

Formula Wt. 370.3

CAS No. 6700-34-1

EC No.

Section 4. First Aid Measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact Flush eyes with water as a precaution.

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

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.

Section 5. Firefighting Measures

Flash Point

Not available.

Extinguishing Media

Water spray, alcohol-resistant foam, dry chemical powder, or carbon dioxide.

Firefighting Procedures

Wear self-contained breathing apparatus and protective clothing for firefighting if necessary.

Unusual Fire Hazards

Carbon oxides, nitrogen oxides (NO_x), hydrogen bromide gas.

Section 6. Accidental Release Measures

Personal Precautions

Avoid dust formation. Avoid breathing vapors, mist, or gas.

Environmental Precautions

Do not let product enter drains.

Methods and materials for containment and cleanup

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

Section 7. Handling and Storage

Handling

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

Storage Conditions

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

Recommended storage temperature: Ambient

Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions. Carbon oxides, nitrogen oxides, hydrogen bromide gas.

Other Remarks

None.

Section 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. For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9. Physical and Chemical Properties

Physical State	Solid.	Color	White powder.
Boiling Point	Not available.	Volatility	Not available.
Melting Point	116°C-120°C	Density	Not available.
Solubility	Soluble in water (15mg/mL).	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 (15mg/mL).	Odor	Not available.
Partition coefficient	Not available.	Odor Threshold	Not available.
n-octanol/water			
Relative vapor density	Not available.	Evaporation rate	Not available.

Section 10. Stability and Reactivity

Stability

Stable under recommended storage conditions.

Materials To Avoid

Keep away from heat and strong oxidizing agents.

Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions. Carbon oxides, nitrogen oxides, hydrogen bromide gas.

Possibility of hazardous reactions

Not available.

Conditions to avoid

Not available.

Section 11. Toxicological Information

Oral LD50

Not available.

Inhalation LC50

Not available.

Dermal LD50

Not available.

Other information on acute toxicity

Not available.

Reproductive Toxicity

Not available.

Specific organ toxicity single exposure (GHS)

Not available.

Specific organ toxicity repeated exposure (GHS)

Not available.

Teratogenicity

Not available.

Skin corrosion/irritation

Not available.

Serious eye damage/irritation

Not available.

Respiratory or skin sensitization

Not available.

Germ cell mutagenicity

Not available.

Aspiration Hazard

Not available.

Synergistic effects

Not available.

Additional Information

RTECS: Not available.

Signs and symptoms of exposure

Not available.

Potential Health Effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes 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.

Section 12. Ecological Information

Toxicity Not available.

Mobility in soil Not available.

PBT and vPvB assessment

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

Persistence and degradability Not available.

Other adverse effects Not available.

Bioaccumulative potential Not available.

Section 13. Disposal Considerations

Waste Disposal

Dispose of material according to all federal, state, and local regulations. Offer surplus and non-recyclable solutions to a licensed disposal company.

Section 14. Transport Information

DOT (US) Not dangerous goods.

IATA Not dangerous goods.

IMDG Not dangerous goods.

Section 15. Regulatory Information

Reach No.

SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title II, 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 Dextromethorphan Hydrobromide Hydrate CAS #: 6700-34-1

New Jersey Right to Know Components Dextromethorphan Hydrobromide Hydrate CAS #: 6700-34-1

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.

Section 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.