

BE-LONG CORPORATION

P.O.Box 139, Gulou Post office, Nanjing 210008, China

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<http://www.be-longgroup.com>

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Galantamine Hydrobromide MSDS

1. Product Identification and company identification

1.1. Identification of the substance or preparation

Product name : Galantamine Hydrobromide

Chemical Name : Galantamine Hydrobromide

Synonyms : Jilkon hydrobromide; Lycoremine hydrobromide; Nivalin; 1,2,3,4,6,7,7a,11c-

Octahydro-9- methoxy-2-methylbenzofuro(4,3,2-efg)(2) benzazocin-6-ol hydrobromide

Molecular formula : $C_{17}H_{22}BrNO_3$

Molecular Weight : 368.27 g/mol

1.2. Company/Undertaking Identification

Address : P.O.Box. 139 Gulou Post Office

Nanjing, 210008 China

1.3. Emergency and contact telephone numbers

Emergency telephone: +86-25-8471 2605

Contact telephone number : +86-25-8471 5120 (Product information)

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Galanthamine hydromide	1953-04-4	90-100%	none

3. Hazards Identification

EMERGENCY OVERVIEW: Toxic if swallowed. May be toxic by inhalation or skin contact.

Category of Danger: Toxic

Principle routes of exposure: Skin

Inhalation: Harmful by inhalation.

Ingestion: Toxic if swallowed.

Skin contact: Harmful in contact with skin.

Eye contact: Risk of serious damage to eyes

Statements of hazard Toxic if swallowed

Statement of Spill or Leak - ANSI Label :

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Eliminate all ignition sources. Absorb and/or contain spill with inert materials(e.g., sand, vermiculite). Then place in appropriate container. For large spills, use water spray to disperse vapors, flush spill area. Prevent runoff from entering waterways or sewers.

Statement of First Aid :

If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a physician.

Precautions - ANSI Label :

Do not taste or swallow. Wash thoroughly after handling. Avoid breathing vapors. Avoid contact with skin, eyes and clothing

4. First Aid Measures

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation: Move to fresh air. Call a physician immediately.

Skin contact: Rinse immediately with plenty of water and seek medical advice

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician If swallowed, seek medical advice immediately and show this container or label.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Protection of first-aiders: No information available

Medical conditions aggravated by exposure: None known

5. Fire Fighting Measures

Suitable extinguishing media: Use dry chemical, CO₂, water spray or "alcohol" foam

Specific hazards: Burning produces irritant fumes.

Unusual hazards: None known

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Specific methods: Water mist may be used to cool closed containers.

Flash point: Not determined

Autoignition temperature: Not determined

6. Accidental Release Measures

Personal precautions: Use personal protective equipment.

Environmental precautions: Prevent product from entering drains.

Methods for cleaning up: Sweep up and shovel into suitable containers for disposal.

7. Handling and Storage

Storage:

ROOM TEMPERATURE

PROTECT FROM LIGHT

Handling: Use only in area provided with appropriate exhaust

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ventilation.

Safe handling advice: Wear personal protective equipment. Remove and wash contaminated clothing before reuse.

Technical measures/storage conditions: Keep containers tightly closed in a cool, well-ventilated place. Keep container tightly closed in a dry and wellventilated place.

Incompatible products: Oxidising and spontaneously flammable products

8. Exposure Controls/Personal Protection

Engineering measures: Ensure adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Breathing apparatus only if aerosol or dust is formed.

Hand protection: Pvc or other plastic material gloves

Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Eye protection: Safety glasses with side-shields

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Physical state: Powder

Formula: C₁₇H₂₁NO₃·HBr

Molecular weight: 368.3

Melting point/range: 269-270°C (dec.)

Boiling point/range: No Data available at this time.

Density: No data available

Vapor pressure: No data available

Evaporation rate: No data available

Vapor density: No data available

Solubility (in water): Slightly soluble

Flash point: Not determined

Autoignition temperature: Not determined

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Polymerization: None under normal processing.

Hazardous decomposition products: Nitrogen oxides (NO_x)/ammonia/CN⁻, Bromine

Materials to avoid: Strong oxidising agents

Conditions to avoid: Exposure to air or moisture over prolonged periods.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

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Components RTECS Number: Selected LD50s and LC50s

GALANTHAMINE HYDROBROMIDE Not Available Oral LD50 Rat : 75 mg/kg

Oral LD50 Mouse : 18700 ug/kg

Chronic toxicity: Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

Local effects: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Specific effects: May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.

Primary irritation: No data is available on the product itself.

Carcinogenic effects: No data is available on the product itself.

Mutagenic effects: No data is available on the product itself.

Reproductive toxicity: No data is available on the product itself.

12. ECOLOGICAL INFORMATION

Mobility: No data available

Bioaccumulation: No data available

Ecotoxicity effects: No data available

Aquatic toxicity: May cause long-term adverse effects in the aquatic environment.

Components

U.S. DOT - Appendix B - Marine Pollutan

U.S. DOT - Appendix B - Severe Marine Pollutants

GALANTHAMINE HYDROBROMIDE Not Listed

Not Listed

United Kingdom - The Red List: Not Listed

Components

Germany VCI (WGK)

World Health Organization (WHO) - Drinking Water

GALANTHAMINE HYDROBROMIDE Not Listed

Not Listed

Ecotoxicity - Fish Species Data:Not Listed

Components

Ecotoxicity – Freshwater Algae Data

Ecotoxicity - Microtox Data

GALANTHAMINE HYDROBROMIDE Not Listed

Not Listed

Ecotoxicity - Water Flea Data:Not Listed

Components

EPA - ATSDR Priority List

EPA - HPV Challenge Program Chemical List

GALANTHAMINE HYDROBROMIDE Not Listed

Not Listed

California - Priority Toxic

Pollutants

Not Listed

Components

California - Priority Toxic Pollutants

California - Priority Toxic Pollutants

GALANTHAMINE HYDROBROMIDE Not Listed

Not Listed

13. DISPOSAL CONSIDERATIONS

It's worth it, safety comes first.

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Waste from residues / unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

Contaminated packaging: Do not re-use empty containers

14. TRANSPORT INFORMATION

UN/Id No: 2811

DOT:

Proper shipping name: Toxic solid, organic, n.o.s.

IATA Hazard Label(s): Toxic

Hazard Class 6.1 -

Toxic substances - oral

Packing group: III

Emergency Response Guide Number (ERG): 154

Components U.S. DOT - Appendix A Table 1 - Reportable Quantities

GALANTHAMINE HYDROBROMIDE Not Listed

TDG (Canada):

WHMIS hazard class: D1b toxic materials

IMDG/IMO

Proper shipping name: Toxic solid, organic, n.o.s.

Product name: GALANTHAMINE

HYDROBROMIDE

IMDG - Hazard Classifications Not Applicable

Components	U.S. DOT - Appendix B - Marine Pollutan	U.S. DOT - Appendix B - Severe Marine Pollutants
GALANTHAMINE HYDROBROMIDE	Not Listed	Not Listed

IMO-labels:

15. REGULATORY INFORMATION

SARA 313 Notification: The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: (800) 535-0202 or (202) 479-2499 (in Washington, DC or Alaska).

State Notification: The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic.

16. OTHER INFORMATION

Prepared by: Health & Safety

Disclaimer: The information and recommendations contained herein are based upon tests

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