

Catalog Number: 150526 Revision date: 26-Apr-2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY INFORMATION

Catalog Number: 150526

Product name: BRUCINE TETRAHYDRATE

Supplier:

MP Biomedicals, LLC 29525 Fountain Parkway Solon, OH 44139

tel: 440-337-1200

Emergency telephone number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components CAS Number Weight % ACGIH Exposure Limits: OSHA Exposure Limits:

BRUCINE TETRAHYDRATE 357-57-3 90 - 100% None None

3. HAZARDS IDENTIFICATION

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

Category of Danger:

Very Toxic

Principle routes of exposure: Skin **Inhalation:** Harmful by inhalation. **Ingestion:** Very toxic if swallowed.

Skin contact: Harmful in contact with skin. **Eye contact:** Risk of serious damage to eyes

Statements of hazard Very toxic if swallowed

Statement of Spill or Leak - ANSI Label 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.

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.

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

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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

NFPA rating:

NFPA Health: 4
NFPA Flammability: 1
NFPA Reactivity: 0

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

Handling: Use only in area provided with appropriate exhaust

ventilation.

Safe handling advice: Wear personal protective equipment.

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: C23H26N2O4

Molecular weight: 466.5

Melting point/range:

Boiling point/range:

No data available at this time.

No Data available at this time.

Density:No data availableVapor pressure:No data availableCatalog Number: 150526Product name: BRUCINE TETRAHYDRA

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Evaporation rate: No data available Vapor density: No data available Solubility (in water): No data available 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 (NOx)/ammonia/CN-

Materials to avoid:

Contact with strong oxidizers may cause fire and explosions. May accumulate static electrical charges, and may

cause ignition of its vapors.

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

11. TOXICOLOGICAL INFORMATION

Product Information Acute toxicity

Components **RTECS Number:** Selected LD50s and LC50s **BRUCINE TETRAHYDRATE** EH8925000 Oral LD50 Mouse: 150 mg/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

vomitina.

May include moderate to severe erythema (redness) and moderate edema (raised **Specific effects:**

skin), nausea, vomiting, headache.

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

No data available Mobility: **Bioaccumulation:** No data available

Ecotoxicity effects: No data available

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

environment.

U.S. DOT - Appendix B -Components U.S. DOT - Appendix B -**United Kingdom - The Red** List:

Marine Pollutan Severe Marine Pollutants

BRUCINE TETRAHYDRATE Not Listed Not Listed Not Listed

Components Germany VCI (WGK) World Health Organization **Ecotoxicity - Fish Species**

(WHO) - Drinking Water Data **BRUCINE TETRAHYDRATE** 3 Not Listed Not Listed

Components **Ecotoxicity - Microtox Data Ecotoxicity - Water Flea Ecotoxicity - Freshwater**

Algae Data Data

BRUCINE TETRAHYDRATE Not Listed Not Listed Not Listed

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Components EPA - ATSDR Priority List EPA - HPV Challenge California - Priority Toxic

Program Chemical List Pollutants
Not Listed Not Listed

Components California - Priority Toxic Pollutants California - Priority Toxic Pollutants

BRUCINE TETRAHYDRATE Not Listed Not Listed

Not Listed

13. DISPOSAL CONSIDERATIONS

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/ld No: 1570

DOT:

BRUCINE TETRAHYDRATE

Proper shipping name:

IATA Hazard Label(s):

Hazard Class

Brucine

Toxic

6.1 -

Toxic substances - oral

Packing group:

Emergency Response Guide Number (ERG): 152

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

BRUCINE TETRAHYDRATE RQ = 100 pounds (45.4 kg); also listed as Strychnidin-10-one, 2,3-dimethoxy

TDG (Canada):

WHMIS hazard class: D1a very toxic materials

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IMDG/IMO

Proper shipping name: Brucine

IMDG - Hazard Classifications IMDG class or division = 6.1

IMDG - Regulated Substances UN1570

Components U.S. DOT - Appendix B - Marine Pollutan U.S. DOT - Appendix B - Severe Marine

Pollutants

BRUCINE TETRAHYDRATE Not Listed Not Listed

IMO-labels:

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15. REGULATORY INFORMATION

International Inventories

Components

BRUCINE TETRAHYDRATE

Inventory - United States TSCA - Sect. 8(b)

Canada DSL Inventory List
Australia (AICS):

Present
Inventory - China:

Present

EU EINECS List - 206-614-7; C23H26N2O4

Korean KECL: KE-11102
Philippines PICCS: Present

U.S. regulations:

Components

California Proposition 65 Massachusetts Right to Know List:

New Jersey Right to Pennsylvania Right to Know List:

Fennsylvania Right to Know List:

List:

BRUCINE TETRAHYDRATE Not Listed [present] sn 0270 environmental hazard

BROCINE TETRANTORATE Not Listed [present] 31 0270 CHARMININI MAZARI

Components Florida substance List: Rhode Island Right to Know List: Contaminants Connecticut - Hazardous Air Pollutants

BRUCINE TETRAHYDRATE Not Listed Not Listed Not Listed Not Listed

Components SARA 313 Emission CERCLA/SARA - Section NTP: IARC:

reporting/Toxic Release 302 Extremely Haz

of Chemicals

BRUCINE TETRAHYDRATE form R reporting required Not Listed None None

for 1.0% de minimis concentration

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 Ammendments 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 and/or reproductive

hazards; and the compounds environmental impact if accidentally released.

16. OTHER INFORMATION

Prepared by: Health & Safety

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End of Safety Data Sheet

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