

Printing date 11/22/2011

Reviewed on 11/22/2011

**1 Identification of the substance/mixture and of the company/undertaking**

- **Product identifier**
- **Product name:** Bupropion Hydrochloride
- **Catalog number:** 451710
- **CAS Number:**  
31677-93-7
- **EC number:**  
250-759-9
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
BD Biosciences, Discovery Labware  
6 Henshaw Street  
Woburn, MA 01801  
Tel: 877.232.8995  
email: labware@bd.com
- **Information department:** Technical Services
- **Emergency telephone number:**  
In case of a chemical emergency, spill, fire, exposure, or accident contact BD Biosciences Discovery Labware at 800.334.5229, or ChemTrec at 800.424.9300.

**2 Composition/information on ingredients**

- **Chemical characterization:** Substances
- **CAS No. Description:**  
31677-93-7 bupropion hydrochloride
- **Identification number(s):**
- **EC number:** 250-759-9

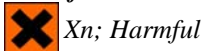
**3 Hazards identification**

- **Classification of the substance or mixture**



H302 Harmful if swallowed.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



R22: Harmful if swallowed.

- **Label elements**

- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with regulations on hazardous materials.

- **Code letter and hazard designation of product:**

Xn Harmful

- **Risk phrases:**

22 Harmful if swallowed.

- **Safety phrases:**

36 Wear suitable protective clothing.

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USA

**Product name: Bupropion Hydrochloride**

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- **Classification system**
- **NFPA ratings (scale 0-4)**



Health = 2  
Flammability = 0  
Reactivity = 0

#### 4 First aid measures

- **General information**

Symptoms of poisoning may even occur after several hours; therefore provide medical observation for at least 48 hours after the accident.

- **After inhalation** Supply fresh air and seek medical advice.

- **After skin contact**

Immediately wash with water and soap and rinse thoroughly.

Seek immediate medical advice.

- **After eye contact** Rinse opened eye for 15 minutes under running water. Then consult a doctor.

- **After swallowing**

If swallowed, rinse mouth with water (only if the person is conscious)

Seek immediate medical advice.

- **Information for doctor** Show the product label or this MSDS.

#### 5 Firefighting measures

- **Suitable extinguishing agents**

CO<sub>2</sub>, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **Special hazards arising from the substance or mixture** No further relevant information available.

- **Protective equipment:** Wear self-contained respiratory protective device.

#### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Avoid formation of dust.

Use respiratory protective device.

- **Environmental precautions:**

Wipe up with damp sponge or mop.

Do not allow product to reach sewage system or any water course.

- **Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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## 7 Handling and storage

- **Handling**
- **Precautions for safe handling**  
 Prevent formation of dust.  
 Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** -20° C
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal Protective Equipment**
- **General protective and hygienic measures**  
 The usual precautionary measures for handling chemicals should be followed.  
 Do not inhale dust / smoke / mist.  
 Keep away from foodstuffs, beverages and feed.  
 Wash hands before breaks and at the end of work.
- **Breathing equipment:**  
 In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.  
 Filter N95 (US) or P1 (EN 143).
- **Protection of hands:**



Chemical resistant gloves (i.e. nitrile, or equivalent).

- **Eye protection:**  
 Safety glasses  
 Face protection
- **Body protection:** Protective work clothing (lab coat).

## 9 Physical and chemical properties

- **General Information**
- **Appearance:**

<b>Form:</b>	Solid.
<b>Color:</b>	White
- **Odor:** Characteristic
- **pH-value:**
- **Formula Weight** 276.20
- **Change in condition**  
**Melting point/Melting range:** 236-238°C (457-460 °F)

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<b>Boiling point/Boiling range:</b>	<i>Not determined</i>
<b>Flash point:</b>	<i>Not applicable</i>
<b>Flammability (solid, gaseous)</b>	<i>Product is not flammable.</i>
<b>Danger of explosion:</b>	<i>Product does not present an explosion hazard.</i>
<b>Vapor pressure:</b>	<i>Not applicable</i>
<b>Density:</b>	<i>Not determined</i>
<b>Solubility in / Miscibility with Water:</b>	<i>Insoluble</i>
<b>Other information</b>	<i>No further relevant information available.</i>

### 10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- Incompatible materials:** *Incompatible material: strong oxidizers.*
- Hazardous decomposition products:**  
*Hazardous decomposition products formed under fire conditions.*  
*Carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>)*  
*Nitrogen oxides (NO<sub>x</sub>)*  
*Hydrogen chloride (HCl)*

### 11 Toxicological information

- Acute toxicity:**

- LD/LC50 values that are relevant for classification:**

**31677-93-7 bupropion hydrochloride**

Oral	LD50	482 mg/kg (rat)
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- Primary irritant effect:**
- on the skin:** *No data available.*
- on the eye:** *No data available.*
- Sensitization:** *No sensitizing effects known.*
- Additional toxicological information:**

*The product shows the following dangers according to internally approved calculation methods for preparations:*  
*Harmful*  
*To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.*

### 12 Ecological information

- Acquatic toxicity:** *No further relevant information available.*
- Persistence and degradability** *No further relevant information available.*
- Behavior in environmental systems:**
- Bioaccumulative potential** *No further relevant information available.*

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- **Ecotoxicological effects:**
- **Other information:**  
*The ecological effects have not been thoroughly investigated, but currently none have been identified.*

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
*Must not be disposed of with solid waste.  
 Dispose of material in accordance with federal (40 CFR 261), state and local requirements.  
 This product is not considered a RCRA hazardous waste.*
- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to state and federal regulations.*
- **Recommended cleansing agent:** *Water, if necessary with cleansing agents.*

### 14 Transport information

- |  |  |
|--|--|
| · <b>UN-Number</b>   |  |
| · <b>DOT, ADR, IMDG, IATA</b>  | Void   |
| · <b>UN proper shipping name</b>   |  |
| · <b>DOT, ADR, IMDG, IATA</b>  | Void   |
| · <b>Transport hazard class(es)</b>  |  |
| · <b>DOT, ADR, IMDG, IATA</b>  |  |
| · <b>Class</b>   | Void   |
| · <b>Packing group</b>   |  |
| · <b>DOT, ADR, IMDG, IATA</b>  | Void   |
| · <b>Environmental hazards:</b>  |  |
| · <b>Marine pollutant:</b>   | No   |
| · <b>Special precautions for user</b>  | Not applicable.                                      |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                                      |
| · <b>Transport/Additional information:</b>                                       | Not dangerous according to the above specifications. |

### 15 Regulatory information

- **SARA Section 355 (extremely hazardous substances)**  
*Substance is not listed.*
- **SARA Section 313 (specific toxic chemical listings)**  
*Substance is not listed.*
- **TSCA (Toxic Substances Control Act)**  
*Substance is not listed.*
- **California Proposition 65 - Chemicals known to cause cancer**  
*Substance is not listed.*

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**· Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

**· Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

**· Chemicals known to cause developmental toxicity:**

Substance is not listed.

**· Carcinogenic categories****· IARC (International Agency for Research on Cancer)**

Substance is not listed.

**· NTP (National Toxicology Program)**

Substance is not listed.

**· TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

**· Product related hazard information:**

The product has been classified and marked in accordance with regulations on hazardous materials.

**· Hazard symbols:**

Xn Harmful

**· Risk phrases:**

22 Harmful if swallowed.

**· Safety phrases:**

36 Wear suitable protective clothing.

**16 Other information**

To the best of our knowledge, the information contained herein is accurate. However, neither Becton, Dickinson and Company or any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**· Department issuing MSDS: Safety and Environment Department****· Contact: Technical Service Representative****· Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent