1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Product Name: Butorphanol Tartrate Injection, 10 mg/mL
MSDS Number: 122000010893

Use: unfinished drug mixture, veterinary medicine

Company
BAYER HEALTHCARE LLC
Animal Health Division
12707 Shawnee Mission Parkway
(West 63rd)
Shawnee, KS 66216-1846
USA
(800) 633-3796

In case of emergency: (800) 422-9874
Chemtrec: (800) 424-9300
BAYER INFORMATION PHONE:(800) 633-3796
INTERNATIONAL:(703) 527-3887

2. HAZARDS IDENTIFICATION

Emergency Overview

| Colour: | Colorless to light yellow | Form: | liquid |

GHS Classification:
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

GHS Label element:
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Hazard Communication (29CFR 1910.1200)
This product is not covered under the OSHA Hazard Communication Standard.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Other Ingredients</th>
<th>Weight percent</th>
<th>Components</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.4439%</td>
<td>Butorphanol (+)-tartrate salt</td>
<td>58786-99-5</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General advice: Take off all contaminated clothing immediately.

If inhaled: Remove to fresh air. Call a physician immediately.

In case of skin contact: After contact with skin, wash immediately with plenty of soap and water. If skin reactions occur, contact a physician.

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

If swallowed: If swallowed, seek medical advice immediately and show this container or label.

Contact Number: Use the Bayer Emergency Number in Section 1

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: High volume water jet

Specific hazards during firefighting: Fire may cause evolution of: Carbon monoxide (CO)
Carbon dioxide (CO2)

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.
Methods for cleaning up: Cover spilt product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labelled, closable containers.

Additional advice: No special precautions required.

Further Accidental Release Notes
No special precautions required.

7. HANDLING AND STORAGE

Handling:
Industrial uses: Avoid formation of aerosol. Avoid contact with skin, eyes and clothing.

No special protective measures against fire required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:
Recommended Filter type: Organic vapor with prefilter

Hand protection:
Chemically resistant gloves.

Eye protection:
Safety glasses

Other protective measures:
Wear suitable protective equipment.

Please consult label for end-user requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form:</td>
<td>No applicable information is available</td>
</tr>
<tr>
<td>Colour:</td>
<td>Colorless to light yellow</td>
</tr>
<tr>
<td>Odour:</td>
<td>No applicable information is available</td>
</tr>
<tr>
<td>Odour Threshold:</td>
<td>No applicable information is available</td>
</tr>
<tr>
<td>Melting point:</td>
<td>No applicable information is available</td>
</tr>
<tr>
<td>Boiling point/boiling range:</td>
<td>No applicable information is available</td>
</tr>
<tr>
<td>Density:</td>
<td>ca. 1 g/cm³ at 68 °F (20 °C)</td>
</tr>
<tr>
<td>Bulk density:</td>
<td>No applicable information is available</td>
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<tr>
<td>Vapour pressure:</td>
<td>No applicable information is available</td>
</tr>
<tr>
<td>Viscosity, dynamic:</td>
<td>No applicable information is available</td>
</tr>
<tr>
<td>Viscosity, kinematic:</td>
<td>No applicable information is available</td>
</tr>
</tbody>
</table>
### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** no data available

**Materials to avoid:** Oxidizing agents

**Hazardous reactions:** None known.

**Thermal decomposition:**

no data available

**Hazardous decomposition products:**
Carbon monoxide (CO), Carbon dioxide (CO2)

**Oxidizing properties:**

No statements available.

**Impact Sensitivity:**

no data available

### 11. TOXICOLOGICAL INFORMATION

**Other information on toxicity:**

No data is available on the product itself.

**Acute oral toxicity:**

Acute toxicity estimate (ATE) > 5,000 mg/kg

Method: Calculation method

**Carcinogenicity:**

No Carcinogenic substances as defined by IARC, NTP and/or OSHA
STOT - single exposure:  
no data available

STOT - repeated exposure:  
no data available

12. ECOLOGICAL INFORMATION

General advice:  
Do not allow to enter surface waters or groundwater. No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

14. TRANSPORT INFORMATION

Land transport (CFR)  
Non-Regulated

US Sea transport (IMDG)  
Non-Regulated

US Air transport (ICAO / IATA cargo aircraft only)  
Non-Regulated

US Air transport (ICAO / IATA passenger and cargo aircraft)  
Non-Regulated

International IATA  
- -

IMDG  
- -

15. REGULATORY INFORMATION

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

Components

None
US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Components
None

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components
None

California Prop. 65

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

OSHA Hazcom Standard Rating Non-Hazardous

16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.