SAFETY DATA SHEETS

This SDS packet was issued with item:

078932123

N/A

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Butorphic® Injection CIV (butorphanol tartrate)

SECTION 1: Identification

Product identifier

Product name: Butorphic® Injection CIV (butorphanol tartrate)
Synonyms: (-)-17-(cyclobutylmethyl) morphinan-3, 14-diol [S-(R*,R*)] - 2,3 - dihydroxy butanedioate (1:1) (salt).
Product code: 078932123
Additional information: National Drug Code (NDC): 59399-112-20

Recommended use of the product and restriction on use

Relevant identified uses: Veterinary Injection
Uses advised against: Not determined or not applicable.
Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:
Supplier
Patterson Companies, Inc.
1031 Mendota Heights Road
St. Paul, MN 55120
1-800-328-5536 Fax:1-651-686-9331

Emergency telephone number:

United States
CHEMTREC
Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours)
Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

SECTION 2: Hazard(s) identification

GHS classification: Not a hazardous substance or mixture

Label elements

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.
P314 Get medical advice/attention if you feel unwell
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists get medical advice/attention

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 58786-99-5	Butorphanol Tartrate	1

Additional Information:

*The formula also contains Citric Acid, 3.3 mg; Sodium Citrate, 6.4 mg; Sodium Chloride, 4.7 mg; Benzethonium Chloride, 1.0 mg; and Water for injection.

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway
Get medical advice/attention if you feel unwell

After skin contact:

Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention

After swallowing:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Special protective equipment for firefighters:
Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:
Not determined or not applicable.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:
Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing

Environmental precautions:
Should not be released into the environment
Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:
Wear protective eye wear, gloves and clothing
Absorb with non-combustible liquid-binding material (sand, diatomaceus earth (clay), acid binders, universal binders)
Dispose of contents / container in accordance with local regulations

Reference to other sections:
Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:
Use only with adequate ventilation.
Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:
Keep container tightly sealed.
Protect from freezing and physical damage.
Store in a cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
United States (OSHA)	Butorphanol Tartrate	58786-99-5	2 mcg/m3 TWA

Biological limit values:
No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:
Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.
Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:
Engineering controls are normally not needed during the normal use of this product.

Personal protection equipment

Eye and face protection:

Not required for the normal use of this product. Safety glasses with side shields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area.

Skin and body protection:

Not required for the normal use of this product. Chemically compatible gloves are recommended. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic non-latex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.

Not required for the normal use of this product. Wear protective laboratory coat, apron, or disposable garment when working with large quantities.

Respiratory protection:

Respiratory protection is normally not needed during intended product use. Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134).

General hygienic measures:

Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Clear colorless liquid solution.
Odor	None
Odor threshold	No Data Available
pH	4.5 (3.0 – 5.5).
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Soluble in water.
Partition coefficient (n-octanol/water)	180:1 at pH 7.5.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.

Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:
Does not react under normal conditions of use and storage.

Chemical stability:
Stable under recommended storage conditions.

Possibility of hazardous reactions:
None under normal conditions of use and storage.

Conditions to avoid:
None known.

Incompatible materials:
Oxidizers, acids, and bases.

Hazardous decomposition products:
Not determined. During thermal decomposition, it may be possible to generate irritating vapors and/or toxic fumes of carbon oxides (COx) and nitrogen oxides (NOx).

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
Butorphanol Tartrate	oral	LD50 - Rat - 315 mg/kg
		LD50 - Mouse - 395 mg/kg
		LD50 - Dog - >50 mg/kg
		LD50 - Monkey - >50 mg/kg

Skin corrosion/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.
Substance data: No data available.
International Agency for Research on Cancer (IARC): None of the ingredients are listed.
National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity
Assessment: Based on available data, the classification criteria are not met.
Product data:
No data available.
Substance data: No data available.

Reproductive toxicity
Assessment: Based on available data, the classification criteria are not met.
Product data:
No data available.
Substance data: No data available.

Specific target organ toxicity (single exposure)
Assessment: Based on available data, the classification criteria are not met.
Product data:
No data available.
Substance data: No data available.

Specific target organ toxicity (repeated exposure)
Assessment: Based on available data, the classification criteria are not met.
Product data:
No data available.
Substance data: No data available.

Aspiration toxicity
Assessment: Based on available data, the classification criteria are not met.
Product data:
No data available.
Substance data: No data available.

Information on likely routes of exposure:
No data available.

Symptoms related to the physical, chemical and toxicological characteristics:
No data available.

Other information:
No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data:

Name	Result
Butorphanol Tartrate	EC50 - (48 hr) - Daphnia magna - 38.1 mg/L
	EC50 - (3h) - Inhibition of respiration in activated sludge - 878 mg/L

Chronic (long-term) toxicity
Product data: No data available.
Substance data: No data available.

Butorphic® Injection CIV (butorphanol tartrate)

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Butorphanol Tartrate	Not determined for product. Information for butorphanol tartrate is provided below: Butorphanol tartrate degraded

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities Dispose of all waste in accordance with Federal, State and Local regulations

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA): TSCA Exempt
Significant New Use Rule (TSCA Section 5): Not determined.
Export notification under TSCA Section 12(b): Not determined.
SARA Section 302 extremely hazardous substances: Not determined.
SARA Section 313 toxic chemicals: Not determined.
CERCLA: Not determined.
RCRA: Not determined.
Section 112(r) of the Clean Air Act (CAA): Not determined.
Massachusetts Right to Know: Not determined.
New Jersey Right to Know: Not determined.
New York Right to Know: Not determined.
Pennsylvania Right to Know: Not determined.
California Proposition 65: Not determined.

SECTION 16: Other information

Abbreviations and Acronyms: None
Disclaimer:

This document is generated to distribute health, safety and environmental data. It is not a specification sheet and none of the displayed data should be construed as a specification. Information on this SDS sheet was obtained from sources which we believe are reliable, and we believe that the information is complete and accurate. However, the information is provided without any warranty, express or implied, regarding its correctness. Some of the information presented and conclusions drawn are from sources other than direct test data of the substance. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may also be beyond our knowledge. It is the user's responsibility to determine the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. If the product is used as a component in another product, this SDS information may not be applicable. For these reasons, we do not assume any responsibility and expressly disclaim liability for any loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

NFPA: 1-0-0
HMIS: 1-0-0
Initial preparation date: 05.07.2018

End of Safety Data Sheet

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Butorphic® Injection CIV (butorphanol tartrate)

SECTION 1: Identification

Product identifier

Product name: Butorphic® Injection CIV (butorphanol tartrate)
Synonyms: (-)-17-(cyclobutylmethyl) morphinan-3, 14-diol [S-(R*,R*)] - 2,3 - dihydroxy butanedioate (1:1) (salt).
Product code: 078932123
Additional information: National Drug Code (NDC): 59399-112-20

Recommended use of the product and restriction on use

Relevant identified uses: Veterinary Injection
Uses advised against: Not determined or not applicable.
Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:
Supplier
Patterson Dentaire Canada Inc.
1205 boul Henri-Bourassa West
Montreal (Québec) H3M 3E6
+1 514-745-4040

Emergency telephone number:

Canada
CHEMTREC
Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours)
Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

SECTION 2: Hazard identification

GHS classification: Not a hazardous substance or mixture

Label elements

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.
P314 Get medical advice/attention if you feel unwell
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists get medical advice/attention

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 58786-99-5	Butorphanol Tartrate	1

Additional Information:

*The formula also contains Citric Acid, 3.3 mg; Sodium Citrate, 6.4 mg; Sodium Chloride, 4.7 mg; Benzethonium Chloride, 1.0 mg; and Water for injection.

SECTION 4: First-aid measures

Description of first-aid measures

General notes:

Not determined or not available.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway
Get medical advice/attention if you feel unwell

After skin contact:

Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention

After ingestion:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not available.

Delayed symptoms and effects:

Not determined or not available.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not available.

Notes for the doctor:

Not determined or not available.

SECTION 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

Unsuitable extinguishing media:
Not determined or not applicable.

Specific hazards during fire-fighting:
Thermal decomposition can lead to release of irritating gases and vapors

Special protective equipment for firefighters:
Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:
Not determined or not applicable.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:
Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing

Environmental precautions:
Should not be released into the environment
Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:
Wear protective eye wear, gloves and clothing
Absorb with non-combustible liquid-binding material (sand, diatomaceus earth (clay), acid binders, universal binders)
Dispose of contents / container in accordance with local regulations

Reference to other sections:
Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:
Use only with adequate ventilation.
Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:
Keep container tightly sealed.
Protect from freezing and physical damage.
Store in a cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
United States (OSHA)	Butorphanol Tartrate	58786-99-5	2 mcg/m3 TWA

Biological limit values:
No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.
Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Engineering controls are normally not needed during the normal use of this product.

Personal protection equipment

Eye and face protection:

Not required for the normal use of this product. Safety glasses with side shields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area.

Skin and body protection:

Not required for the normal use of this product. Chemically compatible gloves are recommended. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic non-latex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.
Not required for the normal use of this product. Wear protective laboratory coat, apron, or disposable garment when working with large quantities.

Respiratory protection:

Respiratory protection is normally not needed during intended product use. Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134).

General hygienic measures:

Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance (physical state, color):	Clear colorless liquid solution.
Odor:	None
Odor threshold:	No Data Available
pH-value:	4.5 (3.0 – 5.5).
Melting/Freezing point:	Not determined or not available.
Boiling point/range:	Not determined or not available.
Flash point:	Not determined or not available.
Evaporation rate:	Not determined or not available.
Flammability (solid, gaseous):	Not determined or not available.
Explosion limit upper:	Not determined or not available.
Explosion limit lower:	Not determined or not available.
Vapor pressure:	Not determined or not available.
Vapor density:	Not determined or not available.

Density:	Not determined or not available.
Relative density:	Not determined or not available.
Solubilities:	Soluble in water.
Partition coefficient (n-octanol/water):	180:1 at pH 7.5.
Auto/Self-ignition temperature:	Not determined or not available.
Decomposition temperature:	Not determined or not available.
Dynamic viscosity:	Not determined or not available.
Kinematic viscosity:	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:
Does not react under normal conditions of use and storage.

Chemical stability:
Stable under recommended storage conditions.

Possibility of hazardous reactions:
None under normal conditions of use and storage.

Conditions to avoid:
None known.

Incompatible materials:
Oxidizers, acids, and bases.

Hazardous decomposition products:
Not determined. During thermal decomposition, it may be possible to generate irritating vapors and/or toxic fumes of carbon oxides (COx) and nitrogen oxides (NOx).

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
Butorphanol Tartrate	oral	LD50 - Rat - 315 mg/kg
		LD50 - Mouse - 395 mg/kg
		LD50 - Dog - >50 mg/kg
		LD50 - Monkey - >50 mg/kg

Skin corrosion/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC): None of the ingredients are listed.

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:
No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data:

Name	Result
Butorphanol Tartrate	EC50 - (48 hr) - Daphnia magna - 38.1 mg/L
	EC50 - (3h) - Inhibition of respiration in activated sludge - 878 mg/L

Chronic (long-term) toxicity

Product data: No data available.
Substance data: No data available.

Persistence and degradability

Product data: No data available.
Substance data:

Name	Result
Butorphanol Tartrate	Not determined for product. Information for butorphanol tartrate is provided below: Butorphanol tartrate degraded

Bioaccumulative potential

Product data: No data available.
Substance data: No data available.

Mobility in soil

Product data: No data available.
Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities Dispose of all waste in accordance with Federal, State and Local regulations

SECTION 14: Transport information

Canadian Transportation of Dangerous Goods (TDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

Canada regulations

Domestic substances list (DSL): Not determined.

Non-domestic substances list (NDSL): Not determined.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

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NFPA: 1-0-0

HMIS: 1-0-0

Initial preparation date: 05.07.2018

End of Safety Data Sheet

Fiche de données de sécurité

Selon la règlementation canadienne concernant les produits dangereux et SIMDUT 2015

Butorphic® Injection CIV (butorphanol tartrate)

SECTION 1 : Identification

Identificateur du produit

Nom du produit : Butorphic® Injection CIV (butorphanol tartrate)
Synonymes : (-)-17-(cyclobutylmethyl) morphinan-3, 14-diol [S-(R*,R*)] - 2,3 - dihydroxy butanedioate (1:1) (salt).
Code produit : 078932123
Informations supplémentaires : National Drug Code (NDC): 59399-112-20

Utilisations recommandées du produit et restrictions d'utilisation

Utilisations identifiées pertinentes : Veterinary Injection
Utilisations déconseillées : Non déterminé ou non disponible
Raisons pour lesquelles les utilisations sont déconseillées : Non déterminé ou non disponible

Détails du fabricant ou fournisseur

Fabricant :
Fournisseur
Patterson Dentaire Canada Inc.
1205 boul Henri-Bourassa West
Montreal (Québec) H3M 3E6
+1 514-745-4040

Ligne d'urgence :

Canada
CHEMTREC
A l'intérieur des É.U. et du Canada : 1-800-424-9300 (CHEMTREC, 24 heures)
À l'extérieur des É.U. et du Canada +1-703-527-3887 (CHEMTREC, 24 heures)

SECTION 2 : Identification de danger

Classification SGH : Substance ou mélange non dangereux

Éléments d'étiquetage

Pictogrammes de danger : Aucun(e)

Mentions d'avertissement : Aucun(e)

Mentions de danger : Aucun(e)

Déclarations de mise en garde :

P260 Ne pas respirer la poussière/les émanations /le gaz/le brouillard/les vapeurs/les pulvérisations.
P264 Bien se laver la peau après utilisation.
P314 Consulter un médecin en cas de malaise.
P305+P351+P338 SI DANS LES YEUX : Rincer prudemment plusieurs minutes à l'eau. Enlever les verres de

contact s'il y a lieu et si cela peut être fait facilement. Continuer à rincer.
P337+P313 Si l'irritation oculaire persiste, consulter un médecin

Dangers non classés par ailleurs : Aucun(e)

SECTION 3 : Composition/Informations relatives aux ingrédients

Identification	Nom	Poids %
Numéro CAS : 58786-99-5	Butorphanol Tartrate	1

Informations supplémentaires :
*The formula also contains Citric Acid, 3.3 mg; Sodium Citrate, 6.4 mg; Sodium Chloride, 4.7 mg; Benzethonium Chloride, 1.0 mg; and Water for injection.

SECTION 4 : Mesures de premiers soins

Description des mesures de premier secours

Notes générales :
Non déterminé ou non disponible

Après inhalation :
Détacher les vêtements et placer la personne en position confortable
Maintenir les voies ariennes non obstruées
Consulter un médecin en cas de malaise

Après un contact avec la peau :
Rincer la zone au savon et à l'eau
Si des symptômes se développent ou persistent, consulter un médecin

Après un contact avec les yeux :
Rincer délicatement les yeux exposés à l'eau pendant 15 à 20 minutes
Si des symptômes se développent ou persistent, consulter un médecin

Après ingestion :
Rincer abondamment la bouche
Consulter un médecin si l'irritation, l'inconfort ou le vomissement persistent

Symptômes et effets les plus importants, aigus et retardés

Symptômes et effets aigus :
Non déterminé ou non disponible

Symptômes et effets retardés :
Non déterminé ou non disponible

Soin médical immédiat et traitement spécial requis

Traitement spécifique :
Non déterminé ou non disponible

Notes pour le médecin :
Non déterminé ou non disponible

SECTION 5 : Mesures de luttes contre l'incendie

Agent d'extinction

Moyens d'extinction appropriés :
Utiliser les agents extincteurs appropriés pour les matières combustibles adjacentes ou pour les sources d'inflammation

Agents d'extinction inappropriés :
Non déterminé ou non disponible

Dangers spécifiques pendant la lutte contre l'incendie :
La décomposition thermique peut produire le dégagement des gaz et de vapeurs irritants

Équipements de protection particuliers des pompiers :
Utiliser un équipement typique de lutte contre l'incendie, un appareil respiratoire autonome, une combinaison spéciale hermétique

Précautions particulières :
Non déterminé ou non disponible

SECTION 6 : Mesures en cas de déversements accidentels

Précautions individuelles, équipement de protection et procédures d'urgence :
Assurer une ventilation adéquate
Veiller à ce que les systèmes de traitement de l'air soient opérationnels
Porter des lunettes, des gants et des vêtements de protection

Précautions environnementales :
Ne doit pas être libéré dans l'environnement
Empêcher l'écoulement dans les canaux, les égouts et autres cours d'eau

Méthodes et matériaux de confinement et de nettoyage :
Porter des lunettes, des gants et des vêtements de protection
Recueillir avec un matériau non combustible fixant les liquides (sable, terre de diatomée (argile), liants d'acides, liants universels)
Éliminer le contenu/contenant conformément aux réglementations locales

Référence à d'autres sections :
Non déterminé ou non disponible

SECTION 7 : Manutention et entreposage

Précautions à prendre pour une manipulation en toute sécurité :
Utiliser le produit dans un endroit adéquatement aéré.
Éviter d'inhaler le brouillard or la vapeur.
Ne pas manger, boire, fumer ou utiliser des produits personnels lors de la manipulation de substances chimiques.

Conditions pour un stockage sûr, y compris les éventuelles incompatibilités :
Maintenir le conteneur bien fermé.
Protéger contre le gel et les dommages matériels.
Entreposer dans un endroit frais bien aéré.

SECTION 8 : Contrôle de l'exposition/protection individuelle

Seules les substances à valeurs limites ont été incluses ci-dessous.

Valeurs limites d'exposition professionnelle :

Butorphic® Injection CIV (butorphanol tartrate)

Pays (base juridique)	Substance	Identification	Concentration autorisée
United States (OSHA)	Butorphanol Tartrate	58786-99-5	2 mcg/m3 TWA

Valeurs limites biologiques :

Aucune limite d'exposition biologique notée pour les ingrédients.

Informations sur les procédures de surveillance :

Une surveillance de la concentration des substances dans la zone de respiration des travailleurs ou dans le lieu de travail général peut être nécessaire pour confirmer la conformité à une LEP et le caractère adéquat des contrôles de l'exposition.

Une surveillance biologique peut également être appropriée pour certaines substances.

Contrôles techniques appropriés :

Engineering controls are normally not needed during the normal use of this product.

Équipement de protection individuelle

Protection des yeux et du visage :

Not required for the normal use of this product. Safety glasses with side shields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area.

Protection corporelle et cutanée :

Not required for the normal use of this product. Chemically compatible gloves are recommended. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic non-latex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.

Not required for the normal use of this product. Wear protective laboratory coat, apron, or disposable garment when working with large quantities.

Protection respiratoire :

Respiratory protection is normally not needed during intended product use. Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134).

Mesures générales d'hygiène :

Éviter le contact avec la peau, les yeux et les vêtements.

Se laver les mains avant les pauses de travail et à la fin du travail.

Laver tout vêtement contaminé avant de le réutiliser.

SECTION 9 : Propriétés physiques et chimiques

Informations sur les propriétés de base physiques et chimiques

Apparence (état physique, couleur) :	Clear colorless liquid solution.
Odeur :	Aucun(e)
Seuil d'odeur :	Aucune donnée disponible.
Valeur pH :	4.5 (3.0 – 5.5).
Point de fusion / point de congélation :	Non déterminé ou non disponible
Point/intervalle d'ébullition :	Non déterminé ou non disponible
Point d'éclair :	Non déterminé ou non disponible

Taux d'évaporation :	Non déterminé ou non disponible
Inflammabilité (solide, gazeux) :	Non déterminé ou non disponible
Limite d'explosion supérieure :	Non déterminé ou non disponible
Limite d'explosion inférieure :	Non déterminé ou non disponible
Pression de vapeur :	Non déterminé ou non disponible
Densité de vapeur :	Non déterminé ou non disponible
Densité :	Non déterminé ou non disponible
Densité relative :	Non déterminé ou non disponible
Solubilités :	Soluble dans l'eau :
Coefficient de partage (n-octanol/eau) :	180:1 at pH 7.5.
Température d'autoinflammation :	Non déterminé ou non disponible
Température de décomposition :	Non déterminé ou non disponible
Viscosité dynamique :	Non déterminé ou non disponible
Viscosité cinématique :	Non déterminé ou non disponible
Propriétés explosives	Non déterminé ou non disponible
Propriétés comburantes	Non déterminé ou non disponible

Informations supplémentaires

SECTION 10 : Stabilité et réactivité

Réactivité :
Stable dans des conditions normales d'utilisation et d'entreposage.

Stabilité chimique :
stable dans les conditions d'entreposage recommandées.

Possibilité de réactions dangereuses :
Aucun dans des conditions normales d'utilisation et d'entreposage.

Conditions à éviter :
Aucun connu.

Matériaux incompatibles :
Oxidizers, acids, and bases.

Produits de décomposition dangereux :
Not determined. During thermal decomposition, it may be possible to generate irritating vapors and/or toxic fumes of carbon oxides (COx) and nitrogen oxides (NOx).

SECTION 11 : Informations toxicologiques

Toxicité aiguë
Évaluation : Basé sur les données disponibles, les critères de classification ne sont pas remplis.
Données sur le produit : Aucune donnée disponible.
Données sur la substance :

Butorphic® Injection CIV (butorphanol tartrate)

Nom	Voie	Résultat
Butorphanol Tartrate	orale	LD50 - Rat - 315 mg/kg
		LD50 - Mouse - 395 mg/kg
		LD50 - Dog - >50 mg/kg
		LD50 - Monkey - >50 mg/kg

Corrosion/irritation de la peau

Évaluation : Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit :

Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Dommages/irritations oculaires sévères

Évaluation : Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit :

Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Sensibilisation respiratoire ou de la peau

Évaluation : Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit :

Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Cancérogénicité

Évaluation : Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Centre international de recherche sur le cancer (IARC) Aucun de ces ingrédients n’est répertorié sur la liste.

Programme national de toxicologie (PNT) : Aucun de ces ingrédients n’est répertorié sur la liste.

Mutagénicité cellulaire germinale

Évaluation : Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit :

Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Toxicité reproductrice

Évaluation : Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit :

Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Toxicité spécifique pour l'organe cible (exposition unique)

Évaluation : Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit :

Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Toxicité spécifique pour l'organe cible (exposition répétée)

Évaluation : Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit :

Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Toxicité par aspiration

Évaluation : Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit :

Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Informations sur les voies d'exposition probables :

Aucune donnée disponible.

Symptômes liés aux caractéristiques physiques, chimiques et toxicologiques :

Aucune donnée disponible.

Autres informations :

Aucune donnée disponible.

SECTION 12 : Informations écologiques

Toxicité aiguë (court terme)

Évaluation : Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit : Aucune donnée disponible.

Données sur la substance :

Nom	Résultat
Butorphanol Tartrate	EC50 - (48 hr) - Daphnia magna - 38.1 mg/L
	EC50 - (3h) - Inhibition of respiration in activated sludge - 878 mg/L

Toxicité chronique (à long terme)

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Persistance et dégradabilité

Données sur le produit : Aucune donnée disponible.

Données sur la substance :

Nom	Résultat
Butorphanol Tartrate	Not determined for product. Information for butorphanol tartrate is provided below: Butorphanol tartrate degraded

Potentiel bioaccumulatif

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Mobilité dans le sol

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Autres effets indésirables : Aucune donnée disponible.

SECTION 13 : Précautions pour l'élimination

Méthodes d’élimination :

Il relève de la responsabilité du producteur de déchets de caractériser correctement tous les déchets conformément aux entités réglementaires applicables Dispose of all waste in accordance with Federal, State

and Local regulations

SECTION 14 : Informations relatives au transport

Transport des marchandises dangereuses du Canada (TDG)

N° UN	Non réglementé
Nom d'expédition approprié UN	Non réglementé
Classe(s) de danger UN pour le transport	Aucun(e)
Groupe d'emballage	Aucun(e)
Risques environnementaux	Aucun(e)
Précautions particulières pour l'utilisateur	Aucun(e)

Code maritime international pour les marchandises dangereuses (IMDG)

N° UN	Non réglementé
Nom d'expédition approprié UN	Non réglementé
Classe(s) de danger UN pour le transport	Aucun(e)
Groupe d'emballage	Aucun(e)
Risques environnementaux	Aucun(e)
Précautions particulières pour l'utilisateur	Aucun(e)

Réglementation des marchandises dangereuses de l'Association du Transport Aérien International (IATA-DGR)

N° UN	Non réglementé
Nom d'expédition approprié UN	Non réglementé
Classe(s) de danger UN pour le transport	Aucun(e)
Groupe d'emballage	Aucun(e)
Risques environnementaux	Aucun(e)
Précautions particulières pour l'utilisateur	Aucun(e)

SECTION 15 : Informations réglementaires

Réglementations du Canada

Liste intérieure des substances (DSL) : Non déterminé

Liste extérieure des substances (NDSL) : Non déterminé

SECTION 16 : Informations supplémentaires

Sigles et abréviations : Aucun(e)

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