

SAFETY DATA SHEET**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product identifier****PANCURONIUM BROMIDE INJECTION BP**

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Alternative Names

Pancuronium Bromide 2mg/ml

CAS No. : Not applicable
 Use : Neuromuscular blocking agent - skeletal muscle relaxant

2. HAZARDS IDENTIFICATION

This mixture is not classified as hazardous for supply/use according to GHS v 4.0.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Mixture:**

Component	%	CAS No.		
Pancuronium Bromide	0,2	15500-66-0		
	Hazard class #	Category	Hazard statements #	
	Acute toxicity	3	H301	

Refer to Section 16 'Other Information'

4. FIRST-AID MEASURES**Description of first aid measures**

Inhalation : Remove patient from exposure. Obtain medical attention if ill effects occur.
 Skin Contact : Wash skin with soap and water.
 Eye Contact : Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention if ill effects remain.
 Ingestion : Wash out mouth with water and give 200-300ml of water to drink. Do NOT induce vomiting as a First-Aid measure. Obtain medical attention if ill effects occur.

Most important symptoms and effects, both acute and delayed

Refer to sections 2 and 11

Indication of any immediate medical attention and special treatment needed

Symptomatic treatment and supportive therapy as indicated. Emergency medical treatment advice varies within different countries. For further information consult the Local National Poisons Information Services.

5. FIRE-FIGHTING MEASURES

- Extinguishing Media (suitable) : water spray, foam, dry powder or CO2.
- Extinguishing Media (unsuitable) : -
- Special hazards arising from the substance or mixture : If involved in a fire, it may burn and emit noxious and toxic fumes.
- Special protective actions for fire-fighters : A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure suitable personal protection during removal of spillages. See Section 8. Ensure adequate ventilation.
- Environmental Precautions : Prevent entry into drains. Prevent entry into drains, sewers or watercourses.
- Methods and material for containment and cleaning up : Clear up spillages. Wash the spillage area with water. Transfer spilled vials to a suitable container for disposal.

7. HANDLING AND STORAGE

- Precautions for safe handling : Avoid contact with skin and eyes.
- Conditions for safe storage, including any incompatibilities : Do not freeze.
- Specific end use(s) : Storage temperature : 2 - 8 °C
Not applicable, refer to Section 1

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limit Value

Components	Value	Control parameters	Comments
No Occupational Exposure Limit Assigned.			

Exposure Controls

The specific controls will depend on local circumstances and should be based on the risk assessment. Appropriate controls to reduce exposure may include engineering controls, for example ventilation, procedural controls and the use of personal protection equipment. Prevent entry into drains, sewers or watercourses.

Occupational exposure controls

Decisions about whether the use of personal protective equipment (PPE) is appropriate as part of the control strategy should be based on the workplace risk assessment and should take account of local legislative requirements for selection and use. There are multiple factors that will affect the specific requirements such as amount and concentration of the material, duration of exposure, frequency of exposure, external environmental conditions, the task, the user etc.

The information below should not be used in isolation and should be considered in the context of the workplace risk assessment on a case by case basis.

Respiratory protection

Use a negative pressure air purifying respirator (half face mask) with filter class Ax if the risk assessment does not support the selection of other protection.

Skin protection

Use protective clothing to protect against direct contact with the product if the risk assessment does not support the selection of other protection. Use chemical protective gloves with a permeation time greater than the activity duration. Take note of the information given by the PPE producer/supplier concerning permeability and breakthrough times and special workplace conditions.

Eye protection

Use safety glasses to protect against direct contact with the product if the risk assessment does not support the selection of other protection.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Form : liquid
pH : 3,5 - 4,2

Other information

No other data available

10. STABILITY AND REACTIVITY

Reactivity : No known reactivity hazard under normal conditions.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : None known.
Conditions to avoid : No conditions producing hazardous situations known.
Incompatible materials : None known.
Hazardous decomposition products : No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

The following health hazard assessment is based on a consideration of the composition of this product.

Inhalation : Unlikely route of exposure.
Skin Contact : No information available.
Eye Contact : May cause slight eye irritation.
Ingestion : May cause effects as described under single exposure.(STOT)
Specific Target Organ Toxicity (STOT) : **Single exposure**
Overexposure may cause respiratory effects and an increase in blood pressure and heart rate.
Repeated exposure
No information available.
Sensitisation : No information available.
Carcinogenicity : No information available.
Mutagenicity : No information available.
Reproductive toxicity : No information available.

12. ECOLOGICAL INFORMATION

Toxicity	:	No information available.
Effect on Effluent Treatment	:	No information available.
Persistence and degradability	:	No degradation data available. The substance is assumed not to be rapidly degradable.
Bioaccumulative potential	:	No information available.
Mobility in soil	:	No information available.
Other adverse effects	:	No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	:	Disposal should be in accordance with local, state or national legislation.
Contaminated Packaging	:	Empty container will retain residue. Observe all hazard precautions.

14. TRANSPORT INFORMATION

NOT RESTRICTED FOR TRANSPORT

15. REGULATORY INFORMATION

In order to comply with legal duties it is necessary to consult local and national legislation.

16. OTHER INFORMATION

The following sections contain revisions or new statements :

The Safety Data Sheet has been updated to adhere to Globally Harmonized System of Classification and Labelling of Chemicals (GHS)., This update affects most Sections of the Safety Data Sheet.

GLOSSARY

COM	:	In-house occupational exposure limit
LTEL	:	Long-term exposure limit (8 hour TWA (time-weighted average))
STEL	:	Short-term exposure limit (15-minute TWA (time-weighted average))
TLV	:	Threshold Limit Value (ACGIH)
TLV-C	:	Threshold Limit Value - Ceiling limit (ACGIH)
HYG	:	An in-house analytical method for occupational exposure monitoring is available
Sk	:	Can be absorbed through skin, thus contributing to systemic effects
Sen	:	Capable of causing respiratory sensitisation

This Glossary is applicable to Substances for which Hazardous Ingredients/Occupational Exposure Limits are assigned.