

Material Name: Ketamine Hydrochloride Injection 50mg/mL and 100 mg/mL

# \* \* \* Section 1 - Chemical Product and Company Identification \* \* \*

#### **Manufacturer Information**

Bioniche Pharma 272 E Deerpath Road Suite 304 Lake Forest, IL 60045 Phone: 888-258-4199

Emergency # 888-875-1671

## \* \* \* Section 2 - Hazards Identification \* \* \*

### **Emergency Overview**

May cause eye, skin, gastrointestinal, and/or respiratory tract irritation.

Potential Health Effects: Eyes

May cause irritation.

Potential Health Effects: Skin
May cause irritation.

Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product use. May casue gastrointestinal irritation if

swallowed.

Potential Health Effects: Inhalation

Not considered a likely route of exposure under normal product use. May cause respiratory tract irritation.

HMIS Ratings: Health: 1 Fire: 0 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

# \* \* \* Section 3 - Composition / Information on Ingredients \* \* \*

CAS#	Component
7732-18-5	Water
1867-66-9	Cyclohexanone, 2-(O-chlorophenyl)-2-(methylamine)-, hydrochloride
121-54-0	Benzethonium chloride

### **Component Information/Information on Non-Hazardous Components**

### \* \* \* Section 4 - First Aid Measures \* \* \*

First Aid: Eyes

Flush immediately with water for at least 15 minutes. Do not rub eyes.

First Aid: Skin

For skin contact, flush with large amounts of water. If irritation persists, get medical attention.

First Aid: Ingestion

If ingestion of a large amount does occur, seek medical attention.

First Aid: Inhalation

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration.

# \* \* \* Section 5 - Fire Fighting Measures \* \* \*

#### **General Fire Hazards**

See Section 9 for Flammability Properties.

None

#### **Hazardous Combustion Products**

Not determined

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### **Extinguishing Media**

Use extinguishing media appropriate for surrounding fire.

### Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

# \* \* \* Section 6 - Accidental Release Measures

### **Containment Procedures**

Contain the discharged material.

#### **Clean-Up Procedures**

Wear appropriate protective equipment and clothing during clean-up. Use sand or perlite or vermiculite as an absorbent for large spills of this material.

#### **Evacuation Procedures**

Isolate area. Keep unnecessary personnel away.

### **Special Procedures**

Avoid contact with skin and eyes.

# Section 7 - Handling and Storage \* \* \*

### **Handling Procedures**

Wash hands after handling and before eating.

## **Storage Procedures**

Keep this material in a cool, well-ventilated place.

# \* \* \* Section 8 - Exposure Controls / Personal Protection

#### A: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

#### **Engineering Controls**

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

### PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses; chemical goggles (if splashing is possible).

**Personal Protective Equipment: Skin** 

Use impervious gloves.

**Personal Protective Equipment: Respiratory** 

Not normally needed.

# **Personal Protective Equipment: General**

Eve wash fountain is recommended.

# **Section 9 - Physical & Chemical Properties**

Appearance: Clear Odor: None **Physical State:** Liquid pH: ND Vapor Pressure: Vapor Density: ND ND **Boiling Point: Melting Point:** ND ND Solubility (H2O): Specific Gravity: Sliaht ND **Evaporation Rate:** ND VOC: ND Flash Point: Octanol/H2O Coeff.: ND ND Upper Flammability Limit ND ND

Flash Point Method: (UFL):

Lower Flammability Limit ND Burning Rate: ND

(LFL):

Auto Ignition: ND

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## \* \* \* Section 10 - Chemical Stability & Reactivity Information \* \*

**Chemical Stability** 

This is a stable material.

**Chemical Stability: Conditions to Avoid** 

None

Incompatibility

Not Determined

**Hazardous Decomposition** 

Not Determined

**Possibility of Hazardous Reactions** 

Will not occur.

# \* \* \* Section 11 - Toxicological Information \* \* \*

#### **Acute Dose Effects**

#### A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Water (7732-18-5)

Oral LD50 Rat: >90 mL/kg

Cyclohexanone, 2-(O-chlorophenyl)-2-(methylamine)-, hydrochloride (1867-66-9)

Oral LD50 Rat: 447 mg/kg

Benzethonium chloride (121-54-0)

Oral LD50 Rat: 368 mg/kg

### Carcinogenicity

### A: General Product Information

No information available for the product.

**B: Component Carcinogenicity** 

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

# \* \* \* Section 12 - Ecological Information \* \* \*

## **Ecotoxicity**

#### A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

## \* \* \* Section 13 - Disposal Considerations \* \* \*

## **US EPA Waste Number & Descriptions**

### **Component Waste Numbers**

No EPA Waste Numbers are applicable for this product's components.

## **Disposal Instructions**

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

# \* \* \* Section 14 - Transportation Information \* \* \*

#### **US DOT Information**

Shipping Name: Not Regulated

## \* \* \* Section 15 - Regulatory Information \* \* \*

## **US Federal Regulations**

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### **Component Analysis**

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

# **State Regulations**

### **Component Analysis - State**

None of this product's components are listed on the state lists from CA, MA, MN, NJ, PA, or RI.

### **Component Analysis - WHMIS IDL**

No components are listed in the WHMIS IDL.

## **Additional Regulatory Information**

### **Component Analysis - Inventory**

Component	CAS#	TSCA	CAN	EEC
Water	7732-18-5	Yes	DSL	EINECS
Cyclohexanone, 2-(O-chlorophenyl)-2-(methylamine)-, hydrochloride	1867-66-9	No	No	EINECS
Benzethonium chloride	121-54-0	Yes	DSL	EINECS

# \* \* \* Section 16 - Other Information \* \* \*

#### Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

## Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

End of Sheet BNP-05

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