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# PROTOPAM CHLORIDE (PRALIDOXIME CHLORIDE) FOR INJECTION

BAXTER OSHA SDS

Revised: 12/15/2015

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**MSDS**

Material Safety Data Sheet

Issuing Date: 12/18/2014

Revision Date: 12/15/2015

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product Identifier**

**MSDS Number:** 1104931  
**Product Name:** Protopam® Chloride (pralidoxime chloride) for Injection

**Other means of identification**

**Product Code(s):** NDC 60977-141-27, NDC 60977-141-01  
**Synonyms:** 2-PAM Chloride

**Recommended use of the chemical and restrictions on use**

**Product Use:** Pharmaceutical.  
**Product Type:** Regulated Prescription Drug  
**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

BAXTER HEALTHCARE CORPORATION  
DEERFIELD, ILLINOIS 60015  
(800) 933-0303

**Emergency telephone number**

Rocky Mountain Poison and Drug Center: USA (888) 990-0996  
OUTSIDE USA (303) 389-1422  
CHEMTREC: USA (800) 424-9300 OUTSIDE USA (743)741-6089

**2. HAZARDS IDENTIFICATION****Classification****OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Sensitization

Category 1

**Label Elements****Emergency Overview****Warning****Hazard Statements**

May cause an allergic skin reaction

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves

**Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label)  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other Information**

Unknown Acute Toxicity                      0 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No	Weight-%
Pralidoxime Chloride	51-15-0	100

**4. FIRST AID MEASURES****First Aid Measures**

<b>General Advice</b>	Treat symptomatically and supportively.
<b>Eye contact:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.
<b>Skin contact:</b>	Wash contaminated skin with soap and water. Get medical attention if irritation develops.
<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.
<b>Ingestion:</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

**Most important symptoms and effects, both acute and delayed**

May cause allergic skin reaction. See patient package insert in shipping carton for complete information.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically. See patient package insert in shipping carton for complete information.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Specific hazards arising from the chemical**

No information available.

**Special protective equipment for firefighters**

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).

**Environmental Precautions**

See Section 12 for environmental precautions.

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

If emergency personnel are unavailable, contain spilled material.

**Methods for cleaning up**

Clean up promptly by sweeping or vacuum. Place spilled material in an appropriate container for disposal. Avoid production of dust.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Technical measures/precautions:** Wash thoroughly after handling. Avoid production of dust.

**Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions** Keep containers tightly closed in a cool, well-ventilated place. Store at room temperature between 20°C and 25°C (68°F and 77°F).

**Incompatible materials** No special restrictions on storage with other products.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits**

**Exposure Limits:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Component	OSHA- Time Weighted Average:	OSHA- Short Term Exposure Limit:	OSHA- Ceiling Limits	ACGIH- Time Weighted Average:	ACGIH- Short Term Exposure Limit:	ACGIH- Ceiling Limit Value:
Pralidoxime Chloride 51-15-0	None	None	None	None	None	None

**Appropriate engineering controls**

**Engineering Measures** No special containment is required. Good general ventilation should be sufficient to control airborne levels.

**Individual protection measures, such as personal protective equipment**

**Eye protection** Eye protection not required for normal final product use. Safety glasses with side-shields are recommended for laboratory and manufacturing use.

**Hand protection** Use chemical resistant, impervious gloves.

**Skin and body protection** Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits).

**Respiratory protection:** No personal respiratory protective equipment normally required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

**Physical state:** Solid.  
**Appearance:** Crystalline powder

<b>Color</b>	White
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	No information available
<b>pH:</b>	3.5 - 4.5
<b>Melting point / melting range</b>	215-225°C
<b>Boiling point / boiling range</b>	No information available
<b>Flash point:</b>	No information available
<b>Evaporation rate:</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammable limits in air-upper (%):</b>	No information available
<b>Flammable limits in air-lower (%):</b>	No information available
<b>Vapor pressure:</b>	No information available
<b>Vapor Density:</b>	No information available
<b>Density:</b>	No information available
<b>Solubility</b>	Soluble in water.
<b>Partition coefficient (n-octanol/water)</b>	No information available
<b>Autoignition temperature:</b>	No information available
<b>Decomposition Temperature</b>	No information available
<b>Viscosity:</b>	No information available
<b>Explosive Properties</b>	No information available
<b>Oxidizing Properties</b>	No information available

**Other Information**

Molecular weight: 172.63

**10. STABILITY AND REACTIVITY****Reactivity**

No data available

**Chemical Stability**

Stable under recommended storage conditions

**Possibility of Hazardous Reactions**

None under normal processing

**Conditions to Avoid**

Do not freeze.

**Incompatible materials**

None known

**Hazardous Decomposition Products**

No data available

**11. TOXICOLOGICAL INFORMATION**

Component	Inhalation LC50	Dermal LD50	Oral LD50
Pralidoxime Chloride 51-15-0	-	-	-

**Information on likely routes of exposure**

**Inhalation:** May cause respiratory tract irritation.

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**Eye contact:** None known

**Skin contact:** May cause sensitization by skin contact

**Ingestion:** May irritate digestive tract.

**Information on Toxicological Effects**

**Symptoms:** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Irritation:** None known.

**Corrosivity:** Not classified.

**Sensitization:** May cause an allergic skin reaction.

**Mutagenic effects:** Not classified

**Carcinogenic effects:** Not classified

Component	ACGIH	IARC	NTP	OSHA
Pralidoxime Chloride 51-15-0	-	-	-	-

**Reproductive toxicity:** Not classified

**STOT - single exposure:** Not classified.

**STOT - repeated exposure:** Not classified.

**Aspiration Hazard:** Not classified.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity

<b>12. ECOLOGICAL INFORMATION</b>
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Component	Ecotoxicity - Water Flea Data	Fish Species Ecotoxicity	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data
Pralidoxime Chloride 51-15-0	None.	None.	None.	None.

**Ecotoxicity**

No information available

100 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulative potential**

No information available

**Mobility in soil**

No information available

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Other adverse effects

No information available

**13. DISPOSAL CONSIDERATIONS**Waste treatment methods

**Waste from residues/unused products** In accordance with local and national regulations

**Contaminated Packaging** In accordance with local and national regulations.

**14. TRANSPORT INFORMATION**DOT

Not regulated

**15. REGULATORY INFORMATION**U.S. Regulations:**TSCA Inventory List -**

The product is exempt from TSCA, it is FDA Regulated

OTHER REGULATIONS:

Component	Weight-%	RCRA Status:	CERCLA Reportable Quantity:	CERCLA/SARA - 302 Ext. haz. substances:	Listed as Sara 313 title III:
Pralidoxime Chloride 51-15-0	100	Not Listed	Not Listed	Not Listed	Not Listed

STATE REGULATIONS:

Component	California Prop. 65	Minnesota Right-To -Know:	Florida Right-to-Know Reporting List:	Rhode Island Right-to-Know List:	Massachusetts Right-to-Know List:	Pennsylvania Right-to-Know:	New Jersey Right-to-Know:
Pralidoxime Chloride 51-15-0	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

CANADIAN REGULATIONS:**Canada DSL Inventory List -**

This product does not comply with DSL

**16. OTHER INFORMATION**

**This data sheet contains changes from the previous version in section(s):**

New GHS format. Changes to Section 2. Changes to Section 4. Changes to Section 11. Changes to Section 1.

Additional information:

Not Available.

Prepared by

Baxter Research &amp; Development

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To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability 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.

**End of Safety Data Sheet**