

Safety Data Sheet

Section 1: Identification

Product identifier

- Product Name** • **Proparacaine Hydrochloride Ophthalmic Solution**
Product Code • AB04711; Core No. 047; NDC 24208-0730-06

Relevant identified uses of the substance or mixture and uses advised against

- Recommended use** • Finished Pharmaceutical Product; Proparacaine hydrochloride ophthalmic solution is indicated for topical anesthesia in ophthalmic practice.
Restrictions on use • Refer to the product insert and/or prescribing information for restrictions on use and contraindications.

Details of the supplier of the safety data sheet

- Manufacturer** • Bausch & Lomb
 1400 North Goodman Street
 Rochester, NY 14609
 United States
 bausch.com
Telephone (General) • 1-800-553-5340

Emergency telephone number

- Manufacturer** • 1-800-535-5053 - Infotrac

This safety data sheet is written to provide health, safety and environmental information for people handling this formulated product in the workplace. It is not intended to provide information relevant to consumer use of the product.

Section 2: Hazard Identification

UN GHS

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Classification of the substance or mixture

- UN GHS** • Skin Sensitization 1B
 Specific Target Organ Toxicity Single Exposure 2

Label elements

UN GHS

WARNING



- Hazard statements** • May cause an allergic skin reaction
 Anesthetic effect on eyes

Precautionary statements

Prevention ● Wear eye/face protection , .
Wear protective gloves .
Wash thoroughly after handling.

Response ● IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

Storage/Disposal ● Keep tightly closed and store in upright position.
Store product refrigerated at 2-8°C (36-46°F).
Protect from light.

Other hazards

UN GHS

- No data available

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Mixtures

Composition			
Chemical Name	Identifiers	%	Classifications According to Regulation/Directive
BAK 50% Soln	CAS:139-07-1 EINECS:205-351-5	0.01%	UN GHS: NDA
Glycerin 96%	CAS:56-81-5 EINECS:200-289-5	1% TO 5%	UN GHS: Skin Irrit. 3; Eye Irrit. 2B
Hydrochloric Acid 37%	CAS:7647-01-0 EINECS:231-595-7	< 0.1%	UN GHS: Skin Corr. 1A; Acute Tox. Inhal. 3; Press. Gas - Comp
Proparacaine, HCL	CAS:5875-06-9 EINECS:227-541-7	0.5%	UN GHS: NDA
Water	CAS:7732-18-5 EINECS:231-791-2	Balance	UN GHS: Classification criteria not met

The exact percentage of composition has been withheld as a trade secret.

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- No inhalation exposure expected with this formulation under normal conditions of use. If signs/symptoms develop, get medical attention.

Skin

- Flush with fresh water if contact with skin or eyes. If skin irritation occurs: Get medical advice/attention.

Eye

- For accidental and non-therapeutic applications, flush eyes with copious amounts of water for at least 15 minutes. Get medical attention. If eye irritation persists: Get medical advice/attention.

Ingestion

- No specific treatment is necessary since this material is not likely to be hazardous by ingestion. If large quantities are accidentally ingested (greater than a tablespoon), get

medical attention immediately.

Most important symptoms and effects, both acute and delayed

- Eye anesthetic.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Additional details are available on the product package insert or the Physicians Desk Reference.

Other information

- Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media • SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.
LARGE FIRE: Water spray, fog or regular foam.

Unsuitable Extinguishing Media • No data available

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • None known.

Hazardous Combustion Products • None known.

Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions • No special controls or personal protection required under conditions of intended use. In the event of bulk spills, wear suitable protective eyewear, clothing, protective boots and protective gloves. Evacuate immediate area. Ensure adequate ventilation. Refer to Section 8.

Emergency Procedures • Keep unauthorized personnel away. Ventilate closed spaces before entering. Stop leak if you can do it without risk.

Environmental precautions

- Prevent spilled material from entering storm sewers or drains, waterways, and contact with soil.

Methods and material for containment and cleaning up

Containment/Clean-up Measures • Contain spilled product. For small spills, add suitable absorbent material. Scoop up and place in an appropriate liquid-tight container equipped with a tight cover for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate, liquid-tight container equipped with a tight cover for disposal. Dispose of in accordance with Section 13.

Section 7 - Handling and Storage

Precautions for safe handling

Handling • No special handling is required. Refer to Section 8. Use only in accordance with product literature.

Conditions for safe storage, including any incompatibilities

- Storage**
- Keep tightly closed. Store between 2-8°C (36-46°F), to maintain product integrity. use before expiration date marked on carton and/or container. Protect from light.
- Incompatible Materials or Ignition Sources**
- None specified.

Section 8 - Exposure Controls/Personal Protection

Control parameters

- Exposure Limits/Guidelines**
- Refer to the occupational exposure limits / guidelines for the individual product components.

Exposure Limits/Guidelines					
	Result	ACGIH	Canada Quebec	NIOSH	OSHA
Hydrochloric Acid 37% (7647-01-0)	Ceilings	2 ppm Ceiling	5 ppm Ceiling; 7.5 mg/m3 Ceiling	5 ppm Ceiling; 7 mg/m3 Ceiling	5 ppm Ceiling; 7 mg/m3 Ceiling
Glycerin 96% (56-81-5)	TWAs	Not established	10 mg/m3 TWAEV (mist)	Not established	15 mg/m3 TWA (mist, total particulate); 5 mg/m3 TWA (mist, respirable fraction)

Exposure Control Notations

ACGIH

- Hydrochloric Acid 37% (7647-01-0): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)

Exposure controls

Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

- In the event of a bulk spill, and where risk assessment shows that air-purifying respirators are appropriate, a NIOSH (US) or CEN (EU) -certified air-purifying respirator equipped with HEPA cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, when adequate oxygen is present and as a backup to engineering controls. Use a positive pressure air-supplied respirator if there is any potential for an uncontrolled release or any other circumstances where air purifying respirators may not provide adequate protection.

Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses) when handling bulk product before closed in final packaging. In the event of a spill, appropriate eye protection should be worn.

Hands

- No special personal protection required under conditions of intended use. In the event of a bulk spill, wear rubber or nitrile gloves. Wear protective gloves .

Skin/Body

- No special personal protection required under conditions of intended use. In the event of a bulk spill, wear appropriate protective clothing.

General Industrial Hygiene Considerations

- Wash thoroughly after handling.

Environmental Exposure Controls

- No data available

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Color	Clear Colorless .
Odor	No odor.	Odor Threshold	Not relevant
General Properties			
Boiling Point	No data available	Melting Point	Not relevant
Decomposition Temperature	No data available	pH	3.5 to 6
Specific Gravity/Relative Density	= 1.0063	Water Solubility	Water soluble
Viscosity	Not relevant		
Volatility			
Vapor Pressure	Not relevant	Vapor Density	Not relevant
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Ignition Distance	Not relevant
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- No data available

Conditions to avoid

- Extreme heat or cold. Do not freeze. Protect from light and heat.

Incompatible materials

- No data available

Hazardous decomposition products

- No data available

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Proparacaine, HCL (0.5%)	5875-06-9	Acute Toxicity: Subcutaneous-Mouse LD50 • 64 mg/kg
Glycerin 96% (1% TO 5%)	56-81-5	Acute Toxicity: Ingestion/Oral-Rat LD50 • 12600 mg/kg; Behavioral:General anesthetic; Behavioral:Muscle weakness; Liver:Other changes; Irritation: Eye-Rabbit • 500 mg 24 Hour(s) • Mild irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation
Hydrochloric Acid 37% (< 0.1%)	7647-01-0	Acute Toxicity: Ingestion/Oral-Rabbit LD50 • 900 mg/kg; Irritation: Eye-Rabbit • 5 mg 30 Second(s)-Rinse • Mild irritation
BAK 50% Soln (0.01%)	139-07-1	Acute Toxicity: Ingestion/Oral-Rat LD50 • 400 mg/kg

GHS Properties	Classification
Acute toxicity	UN GHS • Classification criteria not met
Aspiration Hazard	UN GHS • Classification criteria not met
Carcinogenicity	UN GHS • Classification criteria not met
Germ Cell Mutagenicity	UN GHS • Classification criteria not met
Skin corrosion/Irritation	UN GHS • Classification criteria not met
Skin sensitization	UN GHS • Skin Sensitizer 1B
STOT-RE	UN GHS • Classification criteria not met
STOT-SE	UN GHS • Specific Target Organ Toxicity Single Exposure 2
Toxicity for Reproduction	UN GHS • Classification criteria not met
Respiratory sensitization	UN GHS • Classification criteria not met
Serious eye damage/Irritation	UN GHS • Classification criteria not met

Potential Health Effects

Inhalation

- Acute (Immediate)**
 - Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
 - No data available.

Skin

- Acute (Immediate)**
 - Not expected to cause skin irritation.
- Chronic (Delayed)**
 - Repeated and prolonged exposure may cause irritation. Allergic contact dermatitis has been reported following use of this product.

Eye

- Acute (Immediate)**
 - This product is an ophthalmic anesthetic. Normal treatment dosage is 1 -2 drops.
- Chronic (Delayed)**
 - Refer to the product insert and/or product prescribing information for comprehensive information regarding adverse reactions and other important symptoms and effects. Under normal conditions of use, no health effects are expected.

Ingestion

- Acute (Immediate)**
 - Not expected to be an exposure route. However, may cause gastric and intestinal irritation if ingested.
- Chronic (Delayed)**
 - No data available.

Carcinogenic Effects		
	CAS	IARC
Hydrochloric Acid 37%	7647-01-0	Group 3-Not Classifiable

Section 12 - Ecological Information

Toxicity

- This material has not been tested for environmental effects.

Persistence and degradability

- No data available.

Bioaccumulative potential

- No data available

Mobility in Soil

- No data available

Other adverse effects

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	not regulated	NDA	NDA	NDA
TDG	NDA	not regulated	NDA	NDA	NDA
IMO/IMDG	NDA	not regulated	NDA	NDA	NDA
IATA/ICAO	NDA	not regulated	NDA	NDA	NDA

Special precautions for user

- No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

- No data available

Inventory				
Component	CAS	Canada DSL	EU EINECS	TSCA
BAK 50% Soln	139-07-1	Yes	Yes	Yes
Proparacaine, HCL	5875-06-9	Yes	Yes	No
Glycerin 96%	56-81-5	Yes	Yes	Yes
Hydrochloric Acid 37%	7647-01-0	Yes	Yes	Yes
Water	7732-18-5	Yes	Yes	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Hydrochloric Acid 37%

7647-01-0

A, D1A, E (listed under Hydrogen chloride); D1A, E; E (0.036% in aqueous solution, 0.36% in aqueous solution, 3.6% in aqueous solution);

		D1B, E (28% in aqueous solution); D1A, E (31.45% in aqueous solution, 35.2% in aqueous solution)
• Glycerin 96%	56-81-5	Uncontrolled product according to WHMIS classification criteria
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Uncontrolled product according to WHMIS classification criteria
Canada - WHMIS - Ingredient Disclosure List		
• Hydrochloric Acid 37%	7647-01-0	1 %
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• Hydrochloric Acid 37%	7647-01-0	T; R23 C; R35
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Hydrochloric Acid 37%	7647-01-0	T C R:23-35 S:(1/2)-9-26-36/37/39-45
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Hydrochloric Acid 37%	7647-01-0	5
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Hydrochloric Acid 37%	7647-01-0	S:(1/2)-9-26-36/37/39-45
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Hydrochloric Acid 37%	7647-01-0	5000 lb TQ; 5000 lb TQ (anhydrous)
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Hydrochloric Acid 37%	7647-01-0	
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Hydrochloric Acid 37%	7647-01-0	5000 lb final RQ; 2270 kg final RQ
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Hydrochloric Acid 37%	7647-01-0	5000 lb EPCRA RQ (gas only)
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Hydrochloric Acid 37%	7647-01-0	500 lb TPQ (gas only)
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Hydrochloric Acid 37%	7647-01-0	1.0 % de minimis concentration (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Hydrochloric Acid 37%	7647-01-0	Not Listed
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed

• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Hydrochloric Acid 37%	7647-01-0	Not Listed
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Hydrochloric Acid 37%	7647-01-0	Not Listed
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Hydrochloric Acid 37%	7647-01-0	Not Listed
• Glycerin 96%	56-81-5	Not Listed
• BAK 50% Soln	139-07-1	Not Listed
• Proparacaine, HCL	5875-06-9	Not Listed
• Water	7732-18-5	Not Listed

Section 16 - Other Information

- Last Revision Date** • 30/April/2015
- Preparation Date** • 30/April/2015
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