

Section 1 - Product and Company Identification

Material Name	▪ Miochol-E 1:100 Intraocular Solution
Chemical Category	▪ Use only in accordance with label instructions and supplied prescribing information.
Molecular Formula	▪ C7H16ClNO2
Molecular Weight	▪ 181.7
Product Description	▪ Clear liquid. Powder .
Product Use	▪ Miochol-E Finished Pharmaceutical Product.
Synonyms	▪ Acetylcholine Chloride Intraocular Solution
Manufacturer	▪ Bausch & Lomb Incorporated 1400 North Goodman Street Rochester, NY 14609 United States
Telephone	
General	▪ 1-800-553-5340
<u>Emergency</u>	▪ 1-800-535-5053

Section 2 - Hazards Identification

EMERGENCY OVERVIEW

Causes mild skin irritation.

Prevention	Store at room temperature. Wear protective gloves .
Response	Gently wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel unwell.

No data available. Under Canadian regulations (Workplace Hazardous Materials Information System (WHMIS) - Hazardous Products Act (HPA), Section 11(1)), these product(s) are exempt and considered manufactured article(s) under stated normal conditions of use. Under United States Regulations (29 CFR 1910.1200(c) - Hazard Communication Standard), the product(s) listed above are exempt as article(s) under stated normal conditions of use.

Physical Form	▪ Liquid Powder
Color	▪ No data available.
Odor	▪ No data available.
GHS	▪ Skin Corrosion/Irritation - Category 3
Medical Conditions Aggravated by Exposure	▪ No data available,



Potential Health Effects Inhalation

- Acute (Immediate)**
 - Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.
- Skin**
- Acute (Immediate)**
 - Causes mild skin irritation.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.
- Eye**
- Acute (Immediate)**
 - Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.
- Ingestion**
- Acute (Immediate)**
 - Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.
- Mutagenic Effects**
 - Repeated and prolonged exposure may cause sensitization.

- Reproductive Effects**
 - No data available.
- Other Acute Effects**
 - Under normal conditions of use, no health effects are expected.
- Potential Environmental Effects**
 - No data available.

Section 3 - Composition/Information on Ingredients

Hazardous Components						
Chemical Name	CAS	%(wt)	UN;EINECS	LD50/LC50	EU R & S Phrases	Other
Potassium chloride	7447-40-7	na	231-211-8	Ingestion/Oral-Mouse LD50 · 1500 mg/kg Ingestion/Oral-Rat LD50 · 2600 mg/kg	NDA	NDA
Non-Hazardous Components						
Chemical Name	CAS	%(wt)	UN;EINECS	LD50/LC50	EU R & S Phrases	Other
Water	7732-18-5	> 99%	231-791-2	Ingestion/Oral-Rat LD50 · >90 mL/kg	NDA	NDA
Choline acetate (ester), chloride	60-31-1	<= 1%	200-468-8	Ingestion/Oral-Rat LD50 · 2500 mg/kg Ingestion/Oral-Mouse LD50 · 3 g/kg	NDA	NDA
Acetic acid, sodium salt, trihydrate	6131-90-4	na			NDA	NDA
Calcium chloride, dihydrate	10035-04-8	na			NDA	NDA
Magnesium chloride, hexahydrate	7791-18-6	na		Ingestion/Oral-Rat LD50 · 8100 mg/kg Ingestion/Oral-Mouse LD50 · 7600 mg/kg Ingestion/Oral-Mouse LD50 · 4666.7 mg/kg Ingestion/Oral-Rat LD50 · 7333.3 mg/kg	NDA	NDA
Mannitol, D-	69-65-8	na	200-711-8	Ingestion/Oral-Rat LD50 · 13500 mg/kg Ingestion/Oral-Mouse LD50 · 22 g/kg	NDA	NDA

Under United States Regulations (29 CFR 1910.1200(c) - Hazard Communication Standard), the product(s) listed above are exempt as article(s) under stated normal conditions of use.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

- Inhalation**
 - First aid is not expected to be necessary if material is used under ordinary conditions and as recommended.
- Skin**
 - Flush with fresh water if contact with skin or eyes.
- Eye**
 - Flush eyes with water for at least 15 minutes.
- Ingestion**
 - Obtain medical attention immediately if ingested.
- Antidotes**
 - No data available.

**Notes to Physician
Other Information**

- No data available.
- Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

See Section 2 for Potential Health Effects.

Section 5 - Fire Fighting Measures

- Extinguishing Media**
 - Material is non-combustible. In case of fire use media as appropriate for surrounding fire.
- Unsuitable Extinguishing Media**
 - Material is non-combustible. In case of fire use media as appropriate for surrounding fire.
- Firefighting Procedures**
 - No data available
- Unusual Fire and Explosion Hazards**
 - Material is non-combustible and is not expected to pose a fire or explosion hazard.
- Hazardous Combustion Products**
 - None known.
- Protection of Firefighters**
 - No data available

Section 6 - Accidental Release Measures

- Personal Precautions**
 - Do not touch damaged containers or spilled material unless wearing appropriate protective clothing
- Emergency Procedures**
 - No emergency procedures are expected to be necessary if material is used under ordinary conditions as as recommended
- Environmental Precautions**
 - Do NOT wash away into sewer
- Containment/Clean-up Measures**
 - Clean up spill immediately.
 - Use appropriate Personal Protective Equipment (PPE)
- Prohibited Materials**
 - No data available

Section 7 - Handling and Storage

- Handling**
 - No data available
- Storage**
 - Keep container closed.
- Special Packaging Materials**
 - No data available
- Incompatible Materials or Ignition Sources**
 - No data available

Section 8 - Exposure Controls/Personal Protection

**Personal Protective Equipment
Pictograms**



- Respiratory**
 - No data available
- Eye/Face**
 - Wear safety glasses.
- Hands**
 - Wear appropriate gloves.
- General Industrial Hygiene Considerations**
 - Avoid contact with skin and eyes.
- Engineering Measures/Controls**
 - No data available

Section 14 - Transportation Information

DOT - United States - Department of Transportation Not regulated for transportation

IMO/IMDG –International Maritime Transport•Not regulated for transportation

IATA - International Air Transport Association Not regulated for transportation

Section 15 - Regulatory Information

SARA Hazard Classifications ▪ No data available

United States

Environment

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

▪ Acetic acid, sodium salt, trihydrate	6131-90-4	na	Not Listed
▪ Magnesium chloride, hexahydrate		na	1.0 % de minimis concentration (Chemical Category N450)
▪ Magnesium chloride, hexahydrate as Manganese compounds		na	1.0 % de minimis concentration (Chemical Category N450)
▪ Calcium chloride, dihydrate	10035-04-8	na	Not Listed
▪ Mannitol, D-	69-65-8	na	Not Listed
▪ Potassium chloride	7447-40-7	na	Not Listed
▪ Choline acetate (ester), chloride	60-31-1	<= 1%	Not Listed
▪ Water	7732-18-5	> 99%	Not Listed

Section 16 - Other Information

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Revised Summary