

## 1. Product and Company Identification

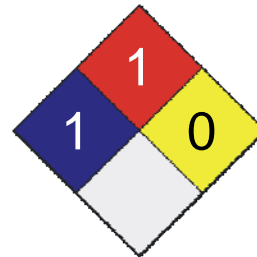
**Product Name** OPTREX® Sterile Eye Wash  
**CAS #** Mixture  
**This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the Canadian Workplace Hazardous Materials Information System (WHMIS).  
 This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.**

**Product Use** Personal care

**Distributed by** Reckitt Benckiser (Canada) Inc.  
 1680 Tech Avenue Unit #2  
 Mississauga, ON L4W 5S9  
 In Case of Emergency: 1-800-338-6167  
 Transportation Emergencies: 24 Hour Number:  
 North America: CHEMTREC: 1-800-424-9300  
 Outside North America: 1-703-527-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	1
Physical Hazard	0
Personal Protection	



## 2. Hazards Identification

**Emergency Overview** This product is regulated by Health Canada as a Natural Health Product. Extensive testing has been completed to show that it is safe and effective when used as directed.

**CAUTION**  
 Should not be administered to infants or children under 3 years of age. Not suitable for use with hydrophilic (soft) lenses. If irritation develops with use of this product discontinue use and consult your eye care practitioner. Do not touch tip of the bottle to any surface since this may contribute to contamination of the solution. Always keep the bottle tightly closed. Always use fresh solution and discard after use. Do not reuse solution. DISCARD 3 MONTHS AFTER FIRST OPENING.

Keep out of reach of children.

**Potential short term health effects**

<b>Routes of exposure</b>	Eye, Skin contact, Inhalation, Ingestion.
<b>Eyes</b>	No risks anticipated in normal use.
<b>Skin</b>	None expected during normal conditions of use.
<b>Inhalation</b>	No hazards expected in normal industrial use at room temperature.
<b>Ingestion</b>	There are no hazards associated with this product in normal use.
<b>Target organs</b>	Not applicable.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Signs and symptoms</b>	There are no hazards associated with this product in normal use.
<b>Potential environmental effects</b>	See section 12.

### 3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Sodium tetraborate decahydrate	1303-96-4	0 - 0.1
Boric acid	10043-35-3	1 - 5
Alcohol	64-17-5	1 - 5
Hamamelis Virginiana (Witch Hazel) Extract	84696-19-5	7 - 13

### 4. First Aid Measures

#### First aid procedures

<b>Eye contact</b>	If irritation develops with use of this product discontinue use and consult your eye care practitioner. Not suitable for use with hydrophilic (soft) lenses.
<b>Skin contact</b>	Wash with soap and water. Get medical attention if irritation develops or persists.
<b>Inhalation</b>	Remove to fresh air. Treat symptoms. Seek medical attention.
<b>Ingestion</b>	Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Rinse mouth out with water. Seek medical advice.

#### Notes to physician

Treat patient symptomatically.

#### General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep out of reach of children.

### 5. Fire-fighting Measures

<b>Flammable properties</b>	Combustible by WHMIS criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water spray. Dry chemical. Carbon dioxide. Alcohol foam.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

### 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters. Advise authorities if product has penetrated drains, sewers or water pipes.
<b>Methods for containment</b>	Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Remove sources of ignition. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

### 7. Handling and Storage

<b>Handling</b>	Use good industrial hygiene practices in handling this material. Use according to package label instructions. Keep away from heat, sparks and open flame. Wash thoroughly after handling.  Do not touch tip of the bottle to any surface since this may contribute to contamination of the solution. Always use fresh solution and discard after use. Do not reuse solution. DISCARD 3 MONTHS AFTER FIRST OPENING.
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**Storage**

Do not freeze.  
 Store in a well-ventilated, cool area.  
 Avoid storage under direct sunlight.  
 Always keep the bottle tightly closed.  
 Keep out of reach of children.

Excursions:  
 60°C - Not permitted.  
 50°C - Not more than 4 weeks.  
 40°C - Not more than 8 weeks.

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## 8. Exposure Controls / Personal Protection

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**Exposure limit values**

Ingredient(s)	Exposure limit values
Alcohol	<b>ACGIH-TLV</b> TWA: 1000 ppm STEL: 1000 ppm
Boric acid	<b>ACGIH-TLV</b> TWA: 2 mg/m <sup>3</sup> STEL: 6 mg/m <sup>3</sup>
Hamamelis Virginiana (Witch Hazel) Extract	<b>ACGIH-TLV</b> Not established
Sodium tetraborate decahydrate	<b>ACGIH-TLV</b> TWA: 2 mg/m <sup>3</sup> STEL: 6 mg/m <sup>3</sup>

**Engineering controls**

General ventilation normally adequate.

**Personal protective equipment**

**Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.**

**Eye / face protection**

Not required.  
 Emergency responders should wear full eye and face protection.

**Hand protection**

Not normally required.  
 Emergency responders should wear impermeable gloves.

**Skin and body protection**

As required by employer code.

**Respiratory protection**

Not normally required.

**General hygiene considerations**

Wash off with soap and water.  
 Wash contaminated clothing before reuse.  
 Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Clear
<b>Colour</b>	Colourless
<b>Form</b>	Fluid
<b>Odour</b>	Witch hazel
<b>Odour threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	6.5 - 7.4
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Pour point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flash point</b>	>62°C/144°F

<b>Auto-ignition temperature</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability Limits in Air, Upper, % by Volume</b>	Not available
<b>Vapour pressure</b>	Not available
<b>Vapour density</b>	Not available
<b>Specific gravity</b>	Not available
<b>Octanol/water coefficient</b>	Not available

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## 10. Stability and Reactivity

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<b>Reactivity</b>	This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals. Temperatures above 50°C. Exposure to sunlight. Heat, open flames, static discharge, sparks and other ignition sources.
<b>Incompatible materials</b>	Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.

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## 11. Toxicological Information

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### Component analysis - LC50

Ingredient(s)	LC50
Alcohol	31623 ppm rat
Boric acid	3450 mg/kg mouse
Hamamelis Virginiana (Witch Hazel) Extract	Not available
Sodium tetraborate decahydrate	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Alcohol	3450 mg/kg mouse; 7060 mg/kg rat
Boric acid	2660 mg/kg rat
Hamamelis Virginiana (Witch Hazel) Extract	Not available
Sodium tetraborate decahydrate	2660 mg/kg rat; 5330 mg/kg guinea pig

### Effects of acute exposure

<b>Eye</b>	No risks anticipated in normal use.
<b>Skin</b>	None expected during normal conditions of use.
<b>Inhalation</b>	No hazards expected in normal industrial use at room temperature.
<b>Ingestion</b>	There are no hazards associated with this product in normal use.
<b>Sensitisation</b>	The finished product is not expected to have chronic health effects.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Reproductive effects</b>	The finished product is not expected to have chronic health effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.

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## 12. Ecological Information

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<b>Ecotoxicity</b>	See below	
<b>Ecotoxicity - Freshwater Fish - Acute Toxicity Data</b>		
Alcohol	64-17-5	96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]
Boric acid	10043-35-3	72 Hr LC50 Carassius auratus: 1020 mg/L [flow-through]
<b>Ecotoxicity - Water Flea - Acute Toxicity Data</b>		
Alcohol	64-17-5	48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]
Boric acid	10043-35-3	48 Hr EC50 Daphnia magna: 115 - 153 mg/L
<b>Persistence and degradability</b>	Not available	
<b>Bioaccumulation/accumulation</b>	Not available	
<b>Mobility in environmental media</b>	Not available	
<b>Environmental effects</b>	Not available	
<b>Aquatic toxicity</b>	Not available	
<b>Partition coefficient</b>	Not available	
<b>Chemical fate information</b>	Not available	
<b>Other adverse effects</b>	Not available	

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## 13. Disposal Considerations

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<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations. Do not flush to surface water or sanitary sewer systems.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

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## 14. Transport Information

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<b>UN/ID N.o.</b>	Not applicable
<b>U.S. Department of Transportation (DOT): Classification:</b>	Not regulated
<b>Proper shipping name</b>	Not applicable
<b>U.S. DOT Hazard Class</b>	Not applicable
<b>Subsidiary Risk</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>DOT RQ (lbs)</b>	Not applicable
<b>ERG NO</b>	Not applicable

**Transportation of Dangerous Goods (TDG - Canada): Classification:** Not regulated

**Proper shipping name** Not applicable  
**Status** Not applicable  
**Packing group** Not applicable

**IMDG (Marine Transport): Classification:** Not regulated

**Proper shipping name** Not applicable  
**Class** Not applicable  
**Subsidiary Risk** Not applicable  
**Packing group** Not applicable  
**IMDG Page** Not applicable  
**Marine pollutant** Not applicable  
**EMS** Not applicable  
**MFAG** Not applicable  
**Maximum Quantity** Not applicable

**IATA/ICAO (Air): Classification:** Not regulated

**Proper shipping name** Not applicable  
**Class** Not applicable  
**Subsidiary Risk:** Not applicable  
**Packing group** Not applicable  
**Maximum Quantity** Not applicable

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## 15. Regulatory Information

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**Canadian federal regulations**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Product Registration: Registered NHP Product 02229518

**Canada - WHMIS - Ingredient Disclosure List**

Alcohol	64-17-5	0.1 %
Boric acid	10043-35-3	1 %
Sodium tetraborate decahydrate	1303-96-4	1 %

**WHMIS classification** Exempt

**Inventory Status**

<b>Country(s) or region</b>	<b>Inventory Name</b>	<b>On Inventory (Yes/No)*</b>
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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## 16. Other Information

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**Disclaimer**

This product should only be used as directed on the label and for the purpose intended. 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.

**Further information**

OPTREX® Sterile Eye Wash, 110 mL/300 mL - EBCT9v4.0

**Issue date**

18-Mar-2013

**Effective Date**

15-Mar-2013

**Expiry Date**

15-Mar-2016

**Prepared by**

Reckitt Benckiser Regulatory Department 800-333-3899

**Other Information**

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.