

600-010

1. Product and Company Identification

Product Name OPTREX® Sterile Eye Wash
CAS # Mixture

F4579763

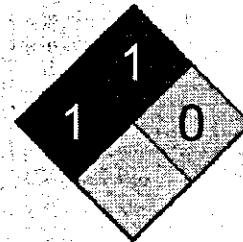
This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the Canadian Workplace Hazardous Materials Information System (WHMIS).
 This MSDS is 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
	0
Personal Protection	<input type="checkbox"/>



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

Routes of exposure

Eyes

Skin

Inhalation

Ingestion

Target organs

Chronic effects

Signs and symptoms

Potential environmental effects

Eye, Skin contact, Inhalation, Ingestion.

No risks anticipated in normal use.

None expected during normal conditions of use.

No hazards expected in normal industrial use at room temperature.

There are no hazards associated with this product in normal use.

Not applicable.

The finished product is not expected to have chronic health effects.

There are no hazards associated with this product in normal use.

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

Eye contact	If irritation develops with use of this product discontinue use and consult your eye care practitioner. Not suitable for use with hydrophilic (soft) lenses.
Skin contact	Wash with soap and water. Get medical attention if irritation develops or persists.
Inhalation	Remove to fresh air. Treat symptoms. Seek medical attention.
Ingestion	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

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

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters. Advise authorities if product has penetrated drains, sewers or water pipes.
Methods for containment	Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	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

Handling	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.

8. Exposure Controls / Personal Protection

Exposure limit values**Ingredient(s)****Exposure limit values**

Alcohol

ACGIH-TLV

TWA: 1000 ppm

STEL: 1000 ppm

Boric acid

ACGIH-TLV

TWA: 2 mg/m³STEL: 6 mg/m³

Hamamelis Virginiana (Witch Hazel) Extract

ACGIH-TLV

Not established

Sodium tetraborate decahydrate

ACGIH-TLV

TWA: 2 mg/m³STEL: 6 mg/m³**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.

9. Physical and Chemical Properties

Appearance

Clear

Colour

Colourless

Form

Fluid

Odour

Witch hazel

Odour threshold

Not available

Physical state

Liquid

pH

6.5 - 7.4

Freezing point

Not available

Boiling point

Not available

Pour point

Not available

Evaporation Rate

Not available

Flash point

>62°C/144°F

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

10. Stability and Reactivity

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

11. Toxicological Information

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

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

Name of Toxicologically Synergistic Products Not available

12. Ecological Information

Ecotoxicity	See below	
Ecotoxicity - Freshwater Fish - Acute Toxicity Data		
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]
Ecotoxicity - Water Flea - Acute Toxicity Data		
Boric acid	10043-35-3	72 Hr LC50 Carassius auratus: 1020 mg/L [flow-through]
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
Persistence and degradability	Not available	
Bioaccumulation/accumulation	Not available	
Mobility in environmental media	Not available	
Environmental effects	Not available	
Aquatic toxicity	Not available	
Partition coefficient	Not available	
Chemical fate information	Not available	
Other adverse effects	Not available	

13. Disposal Considerations

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

14. Transport Information

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

15. Regulatory Information

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

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
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)

16. Other Information

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/manufacture listed on the first page of the document.
This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.