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

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.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Eyes

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.

Target organs

Not applicable.

Chronic effects

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

Signs and symptoms

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

Potential environmental effects

See section 12.
3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium tetraborate decahydrate</td>
<td>1303-96-4</td>
<td>0 - 0.1</td>
</tr>
<tr>
<td>Boric acid</td>
<td>10043-35-3</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Alcohol</td>
<td>64-17-5</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Hamamelis Virginiana (Witch Hazel) Extract</td>
<td>84696-19-5</td>
<td>7 - 13</td>
</tr>
</tbody>
</table>

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.


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.
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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL: 1000 ppm</td>
</tr>
<tr>
<td>Boric acid</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>TWA: 2 mg/m3</td>
</tr>
<tr>
<td></td>
<td>STEL: 6 mg/m3</td>
</tr>
<tr>
<td>Hamamelis Virginiana (Witch Hazel) Extract</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Sodium tetraborate decahydrate</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>TWA: 2 mg/m3</td>
</tr>
<tr>
<td></td>
<td>STEL: 6 mg/m3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Form</td>
<td>Fluid</td>
</tr>
<tr>
<td>Odour</td>
<td>Witch hazel</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 - 7.4</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Pour point</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;62°C/144°F</td>
</tr>
</tbody>
</table>
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
<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>31623 ppm rat</td>
</tr>
<tr>
<td>Boric acid</td>
<td>3450 mg/kg mouse</td>
</tr>
<tr>
<td>Hamamelis Virginiana (Witch Hazel) Extract</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium tetraborate decahydrate</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Component analysis - Oral LD50
<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>3450 mg/kg mouse; 7060 mg/kg rat</td>
</tr>
<tr>
<td>Boric acid</td>
<td>2660 mg/kg rat</td>
</tr>
<tr>
<td>Hamamelis Virginiana (Witch Hazel) Extract</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium tetraborate decahydrate</td>
<td>2660 mg/kg rat; 5330 mg/kg guinea pig</td>
</tr>
</tbody>
</table>

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.
12. Ecological Information

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]
- Boric acid 10043-35-3
  72 Hr LC50 Carassius auratus: 1020 mg/L [flow-through]

Ecotoxicity - Water Flea - Acute Toxicity Data
- 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
15. Regulatory Information

<table>
<thead>
<tr>
<th>Canadian federal regulations</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Registration:</td>
<td>Registered NHP Product 02229518</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Canada - WHMIS - Ingredient Disclosure List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol</td>
</tr>
<tr>
<td>Boric acid</td>
</tr>
<tr>
<td>Sodium tetraborate decahydrate</td>
</tr>
</tbody>
</table>

| WHMIS classification                      | Exempt                                           |
Inventory Status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On Inventory (Yes/No)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
</tbody>
</table>

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