

# SAFETY DATA SHEET

Issuing Date 05-June-2015

Revision Date 29-Jun-2015

Revision Number 2



The supplier identified below generated this SDS using the UL SDS template. UL did not test, certify, or approve the substance described in this SDS, and all information in this SDS was provided by the supplier or was reproduced from publicly available regulatory data sources. UL makes no representations or warranties regarding the completeness or accuracy of the information in this SDS and disclaims all liability in connection with the use of this information or the substance described in this SDS. The layout, appearance and format of this SDS is © 2014 UL LLC. All rights reserved.

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name EYEWASH

### Other means of identification

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Medicinal products

Uses advised against No information available

### Details of the supplier of the safety data sheet

Supplier Name NIAGARA PHARMACEUTICALS INC.

Supplier Address 60 INNOVATION DRIVE  
FLAMBOROUGH  
ON  
L9H7P3  
CA

Supplier Phone Number Phone:905-690-6277  
Fax:905-690-6281

Supplier Email rjames@niagarapharmaceuticals.com

### Emergency telephone number

Company Emergency Phone Number 905-708-7962

## 2. HAZARDS IDENTIFICATION

### Classification

The Eyewash is an approved drug by the FDA used for cleansing the eye to help irritation or burning by removing loose foreign material. This drug product is considered exempt from SDS by 2012 OSHA Hazard Communication Standard (29 CFR 1910.2100 (b) (6) (vii)).



**GHS Label elements, including precautionary statements****Precautionary Statements - Prevention**

For single use

**Precautionary Statements - Response**

If concerned get medical attention

**Precautionary Statements - Storage**

None

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local regulations

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

No information available

**Interactions with Other Chemicals**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name      | CAS No     | Weight-% | Trade Secret |
|--------------------|------------|----------|--------------|
| Boric acid (H3BO3) | 10043-35-3 | 1 - 5    | *            |
| Sodium borate      | 1330-43-4  | 0.1 - 1  | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES****First aid measures****Eye contact**

The product is for cleansing the eye to help relieve irritation or burning by removing loose foreign material.

**Skin contact**

None

**Inhalation**

None

**Ingestion**

Rinse mouth immediately and drink plenty of water. Never give anything by mouth



to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

None

**Unsuitable extinguishing media**

No information available

**Specific hazards arising from the chemical**

None

**Hazardous Combustion Products**

None

**Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** None

**Environmental precautions**

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage .

**Methods for cleaning up** Soak up with absorbent material.



## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage** Store as sealed bottle. Do not use if seal is missing or broken. For single use only.

**Incompatible Products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name  | ACGIH TLV   | OSHA PEL                            | NIOSH IDLH               |
|--|---|-------------------------------------|--------------------------|
| Boric acid (H <sub>3</sub> BO <sub>3</sub> )<br>10043-35-3 | TWA: 2 mg/m <sup>3</sup> inhalable fraction<br>STEL: 6 mg/m <sup>3</sup> inhalable fraction | -                                   |                          |
| Sodium borate<br>1330-43-4                                 | STEL: 6 mg/m <sup>3</sup> inhalable fraction<br>TWA: 2 mg/m <sup>3</sup> inhalable fraction | (vacated) TWA: 10 mg/m <sup>3</sup> | TWA: 1 mg/m <sup>3</sup> |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/face protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** No protective equipment is needed under normal use conditions..

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                |  |                |                          |
|----------------|--|----------------|--------------------------|
| Physical state | Liquid                                 | Odor           | Odorless                 |
| Appearance     | Clear, colorless. No visual impurities | Odor Threshold | No information available |
| Color          | No information available               |                |                          |

| <u>Property</u>                        | <u>Values</u>      | <u>Remarks</u> | <u>Method</u> |
|--|--------------------|----------------|---------------|
| pH                                     | 7.4                | None known     |               |
| Melting / freezing point               | No data available  | None known     |               |
| Boiling point / boiling range          | No data available  | None known     |               |
| Flash Point                            | No data available  | None known     |               |
| Evaporation Rate                       | No data available  | None known     |               |
| Flammability (solid, gas)              | No data available  | None known     |               |
| Flammability Limit in Air              |                    |                |               |
| Upper flammability limit               | No data available  |                |               |
| Lower flammability limit               | No data available  |                |               |
| Vapor pressure                         | No data available  | None known     |               |
| Vapor density                          | No data available  | None known     |               |
| Specific Gravity                       | 1                  | None known     |               |
| Water Solubility                       | Completely soluble | None known     |               |
| Solubility in other solvents           | No data available  | None known     |               |
| Partition coefficient: n-octanol/water | No data available  | None known     |               |
| Autoignition temperature               | No data available  | None known     |               |
| Decomposition temperature              | No data available  | None known     |               |
| Kinematic viscosity                    | No data available  | None known     |               |
| Dynamic viscosity                      | No data available  | None known     |               |
| Explosive properties                   | No data available  | None known     |               |
| Oxidizing properties                   | No data available  | None known     |               |

### Other Information

|                            |                   |
|----------------------------|-------------------|
| Softening Point            | No data available |
| VOC Content (%)            | No data available |
| Particle Size              | No data available |
| Particle Size Distribution |                   |

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

None known based on information supplied.

### Incompatible materials

None known based on information supplied.

### Hazardous Decomposition Products

None known



## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|              |   |
|--------------|---|
| Inhalation   | Specific test data for the substance or mixture is not available. |
| Eye contact  | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |
| Ingestion    | Specific test data for the substance or mixture is not available. |

#### Component Information

| Chemical Name                    | Oral LD50            | Dermal LD50             | Inhalation LC50         |
|----------------------------------|----------------------|-------------------------|-------------------------|
| Boric acid (H3BO3)<br>10043-35-3 | = 2660 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 2.03 mg/L ( Rat ) 4 h |
| Sodium borate<br>1330-43-4       | = 2403 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | -                       |

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                                 |  |
|---------------------------------|--|
| <b>Sensitization</b>            | No information available.  |
| <b>Mutagenic Effects</b>        | No information available.  |
| <b>Carcinogenicity</b>          | The table below indicates whether each agency has listed any ingredient as a carcinogen. |
| <b>Reproductive toxicity</b>    | No information available.  |
| <b>STOT - single exposure</b>   | No information available.  |
| <b>STOT - repeated exposure</b> | No information available.  |
| <b>Chronic Toxicity</b>         | No known effect based on information supplied.   |
| <b>Target Organ Effects</b>     | No information available..   |
| <b>Aspiration Hazard</b>        | No information available.  |

### Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document  
Not applicable

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

| Chemical Name  | Toxicity to Algae   | Toxicity to Fish                                      | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|--|---|---|----------------------------|----------------------------|
| Boric acid (H <sub>3</sub> BO <sub>3</sub> )<br>10043-35-3 |   | 72h LC50: = 1020 mg/L<br>( <i>Carassius auratus</i> ) |                            | 48h EC50: 115 - 153 mg/L   |
| Sodium borate<br>1330-43-4                                 | 96h EC50: = 158 mg/L<br>( <i>Desmodesmus subspicatus</i> )<br>96h EC50: 2.6 - 21.8 mg/L<br>( <i>Pseudokirchneriella subcapitata</i> ) | 96h LC50: = 340 mg/L<br>( <i>Limanda limanda</i> )    |                            | 48h LC50: 1085 - 1402 mg/L |

### Persistence and Degradability

No information available.

### Bioaccumulation

| Chemical Name  | Log Pow |
|--|---------|
| Boric acid (H <sub>3</sub> BO <sub>3</sub> )<br>10043-35-3 | -0.757  |

### Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

#### Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

#### California Hazardous Waste Codes 561

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name  | California Hazardous Waste |
|--|----------------------------|
| Boric acid (H <sub>3</sub> BO <sub>3</sub> )<br>10043-35-3 | Toxic                      |

## 14. TRANSPORT INFORMATION

### DOT

Proper Shipping Name

NOT REGULATED  
NON REGULATED



|                      |               |
|----------------------|---------------|
| <b>Hazard Class</b>  | N/A           |
| <u>TDG</u>           | Not regulated |
| <u>MEX</u>           | Not regulated |
| <u>ICAO</u>          | Not regulated |
| <u>IATA</u>          | Not regulated |
| Proper Shipping Name | NON REGULATED |
| Hazard Class         | N/A           |
| <u>IMDG/IMO</u>      | Not regulated |
| Hazard Class         | N/A           |
| <u>RID</u>           | Not regulated |
| <u>ADR</u>           | Not regulated |
| <u>ADN</u>           | Not regulated |

## 15. REGULATORY INFORMATION

### International Inventories

|      |  |
|------|--|
| TSCA | Complies   |
| DSL  | All components are listed either on the DSL or NDSL. |

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

|                                   |    |
|-----------------------------------|----|
| Acute Health Hazard               | No |
| Chronic Health Hazard             | No |
| Fire Hazard                       | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard                   | No |

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### California Proposition 65





This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

| Chemical Name              | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|----------------------------|------------|---------------|--------------|--------------|----------|
| Sodium borate<br>1330-43-4 |            | X             | X            |              |          |

### International Regulations

| Component                              | Carcinogen Status | Exposure Limits                 |
|--|-------------------|---------------------------------|
| Sodium borate<br>1330-43-4 ( 0.1 - 1 ) |                   | Mexico: TWA 1 mg/m <sup>3</sup> |

#### Canada

#### WHMIS Hazard Class

Not determined

## 16. OTHER INFORMATION

|             |                         |                       |                          |                                      |
|-------------|-------------------------|-----------------------|--------------------------|--------------------------------------|
| <b>NFPA</b> | <b>Health Hazards</b> 0 | <b>Flammability</b> 0 | <b>Instability</b> 0     | <b>Physical and Chemical Hazards</b> |
| <b>HMIS</b> | <b>Health Hazards</b> 0 | <b>Flammability</b> 0 | <b>Physical Hazard</b> 0 | <b>Personal Protection</b><br>X      |

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Revision Date** 29-Jun-2015

**Revision Note** No information available

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**

