

## Safety Data Sheet



### Section 1: Identification

#### Product identifier

- Product Name** • RENU® FRESH™ multi-purpose solution
- Product Code** • 3-10119-03118-6; 3-10119-03122-3; 3-10119-03164-3; 3-10119-03222-0; 3-10119-03428-3; 3-10119-09595-1; 623118; 623122; 623164; 623222; 623428; 629595; FCP-4122
- Product Description** • Contact Lens Solution.
- Relevant identified uses of the substance or mixture and uses advised against**
- Recommended use** • Cleaning and disinfecting solution for contact lenses.
- Restrictions on use** • Use in accordance with product literature.

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

- Manufacturer** • Bausch & Lomb  
1400 North Goodman Street  
Rochester, NY 14609  
United States  
bausch.com
- Telephone (General)** • 1-800-553-5340

#### Emergency telephone number

- Manufacturer** • 1-800-535-5053 - Infotrac
- Manufacturer** • +1 352-323-3500 - International - Infotrac

*This safety data sheet is written to provide health, safety and environmental information for people handling this formulated product in the workplace. It is not intended to provide information relevant to consumer use of the product.*

### Section 2: Hazard Identification

#### United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

#### Classification of the substance or mixture

- OSHA HCS 2012 • Classification criteria not met

#### Label elements

OSHA HCS 2012

#### Other hazards

- OSHA HCS 2012 • Classification criteria not met.

### Section 3 - Composition/Information on Ingredients

## Substances

- Material does not meet the criteria of a substance.

## Mixtures

Composition		
Chemical Name	Identifiers	%
Boric acid	CAS:10043-35-3 EINECS:233-139-2	< 1%
Sodium borate	CAS:1303-96-4	< 0.1%
Edetate disodium	CAS:6381-92-6	< 1%
Hydranate™	CAS:3794-83-0 EINECS:223-267-7	< 1%
Poloxamine	CAS:11111-34-5	< 2%
Sodium chloride	CAS:7647-14-5 EINECS:231-598-3	< 1%
Dymed™	CAS:27083-27-8	0.0001%
Purified water	CAS:7732-18-5 EINECS:231-791-2	> 95%

Hydrochloric Acid (CAS:7647-01-0, EINECS:231-595-7) and/or Sodium Hydroxide (CAS# 1310-73-2, EINECS: 215-185-5) may be added to adjust the pH.

The exact percentage of composition has been withheld as a trade secret.

## Section 4: First-Aid Measures

### Description of first aid measures

#### Inhalation

- No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of mists, remove to fresh air and get medical attention.

#### Skin

- No specific treatment is necessary since this material is not likely to be hazardous by contact with the skin or mucous membranes.

#### Eye

- No specific treatment is necessary since this material is not irritating to the eye.

#### Ingestion

- No specific treatment is necessary since this material is not likely to be hazardous by ingestion. If large quantities are accidentally ingested (greater than a tablespoon), get medical attention immediately.

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

- No data available

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

## Section 5: Fire-Fighting Measures

### Extinguishing media

**Suitable Extinguishing Media** • Water spray, carbon dioxide, dry chemical powder or appropriate foam for surrounding fire.

**Unsuitable Extinguishing Media** • No data available

### Special hazards arising from the substance or mixture

## Unusual Fire and Explosion Hazards

- None known - product is not flammable or combustible.

## Hazardous Combustion Products

- No data available

## Advice for firefighters

- As in any fire, wear self-contained breathing apparatus and full protective gear to prevent contact with skin and eyes.

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

#### Personal Precautions

- No special controls or personal protection required under conditions of intended use. In the event of bulk spills, wear suitable protective eyewear, clothing, protective boots and protective gloves. Refer to Section 8.

#### Emergency Procedures

- No emergency procedures are expected to be necessary when used in accordance with product literature.

### Environmental precautions

- No data available

### Methods and material for containment and cleaning up

#### Containment/Clean-up Measures

- Contain spilled product. For small spills, add suitable absorbent material. Scoop up and place in an appropriate liquid-tight container equipped with a tight cover for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate, liquid-tight container equipped with a tight cover for disposal.

## Section 7 - Handling and Storage

### Precautions for safe handling

#### Handling

- No special handling is required. Refer to Section 8. Use only in accordance with product literature.

### Conditions for safe storage, including any incompatibilities

#### Storage

- Keep tightly closed. Store at room temperature 15-30°C (59-86°F), to maintain product integrity. use before expiration date marked on carton and/or container.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

#### Exposure Limits/Guidelines

- Refer to the occupational exposure limits / guidelines for the individual product components.

Exposure Limits/Guidelines				
	Result	ACGIH	Canada Quebec	NIOSH
Sodium borate (1303-96-4)	TWAs	2 mg/m <sup>3</sup> TWA (inhalable fraction, listed under Borate compounds, inorganic)	5 mg/m <sup>3</sup> TWAEV	5 mg/m <sup>3</sup> TWA
	STELs	6 mg/m <sup>3</sup> STEL (inhalable fraction, listed under Borate compounds, inorganic)	Not established	Not established
Boric acid (10043-35-3)	STELs	6 mg/m <sup>3</sup> STEL (inhalable fraction, listed under Borate compounds, inorganic)	Not established	Not established
		2 mg/m <sup>3</sup> TWA (inhalable fraction,		

	TWAs listed under Borate compounds, inorganic)	Not established	Not established
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## Exposure controls

### Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal Protective Equipment

#### Respiratory

- No respiratory protection required during normal handling.

#### Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses) when handling bulk product before closed in final packaging. Wear protective eyewear (goggles, face shield, or safety glasses).

#### Hands

- Wear protective gloves .

#### Skin/Body

- No special personal protection required under conditions of intended use. In the event of a bulk spill, wear appropriate protective clothing.

### Environmental Exposure Controls

- No data available

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Color	Clear Colorless .
Odor	No odor.	Odor Threshold	Not relevant
General Properties			
Boiling Point	Not relevant	Melting Point/Freezing Point	Not relevant
Decomposition Temperature	Not relevant	pH	7 to 7.4 @ 21 °C(69.8 °F)
Specific Gravity/Relative Density	= 1.009 Water=1	Water Solubility	Not relevant
Viscosity	Not relevant		
Volatility			
Vapor Pressure	Not relevant	Vapor Density	Not relevant
Evaporation Rate	Not relevant		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Flammability (solid, gas)	Not relevant		
Environmental			
Octanol/Water Partition coefficient	Not relevant		

## Section 10: Stability and Reactivity

### Reactivity

- No dangerous reactions known.

### Chemical stability

- Stable under normal temperatures and pressures.

### Possibility of hazardous reactions

- No data available

## Conditions to avoid

- Extreme heat or cold. Do not freeze.

## Incompatible materials

- None.

## Hazardous decomposition products

- None expected.

## Section 11 - Toxicological Information

### Information on toxicological effects

**Other Material Information** • Toxicological information refers to raw materials only. Concentrations and toxicological effects are substantially reduced in the product.

Components		
Boric acid (< 1%)	10043-35-3	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 2660 mg/kg
Sodium borate (< 0.1%)	1303-96-4	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 2660 mg/kg
Hydranate™ (< 1%)	3794-83-0	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 990 mg/kg; <i>Kidney, Ureter, and Bladder.</i> <b>Changes in both tubules and glomeruli</b>
Sodium chloride (< 1%)	7647-14-5	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 3000 mg/kg

GHS Properties	Classification
<b>Acute toxicity</b>	OSHA HCS 2012 • Classification criteria not met
<b>Skin corrosion/Irritation</b>	OSHA HCS 2012 • Classification criteria not met
<b>Serious eye damage/Irritation</b>	OSHA HCS 2012 • Classification criteria not met
<b>Skin sensitization</b>	OSHA HCS 2012 • Classification criteria not met
<b>Respiratory sensitization</b>	OSHA HCS 2012 • Classification criteria not met
<b>Aspiration Hazard</b>	OSHA HCS 2012 • Classification criteria not met
<b>Carcinogenicity</b>	OSHA HCS 2012 • Classification criteria not met
<b>Germ Cell Mutagenicity</b>	OSHA HCS 2012 • Classification criteria not met
<b>Toxicity for Reproduction</b>	OSHA HCS 2012 • Classification criteria not met
<b>STOT-SE</b>	OSHA HCS 2012 • Classification criteria not met
<b>STOT-RE</b>	OSHA HCS 2012 • Classification criteria not met

## 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)

- Under normal conditions of use, no health effects are expected.

#### 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.

**Other**
**Acute (Immediate)**

- Under normal conditions of use, no health effects are expected.

**Chronic (Delayed)**

- Under normal conditions of use, no health effects are expected.

Carcinogenic Effects		
	CAS	NTP
Boric acid	10043-35-3	Evidence of Carcinogenicity

## Section 12 - Ecological Information

**Toxicity**

- This material has not been tested for environmental effects.

**Persistence and degradability**

- No data available

**Bioaccumulative potential**

- No data available

**Mobility in Soil**

- No data available

**Other adverse effects**

## Section 13 - Disposal Considerations

**Waste treatment methods**
**Product waste**

- Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

**Packaging waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	Not regulated	NDA	NDA	NDA
TDG	NDA	Not regulated	NDA	NDA	NDA
IMO/IMDG	NDA	NDA	NDA	NDA	NDA
ADN	NDA	NDA	NDA	NDA	NDA
ADR/RID	NDA	NDA	NDA	NDA	NDA
IATA/ICAO	NDA	Not regulated	NDA	NDA	NDA

**Special precautions for user** • No data available

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

## Section 15 - Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**SARA Hazard Classifications** • No data available

Inventory				
Component	CAS	Canada DSL	EU EINECS	TSCA
Dymed™	27083-27-8	Yes	No	Yes
Edetate disodium	6381-92-6	Yes	No	No
Sodium borate	1303-96-4	Yes	No	Yes
Boric acid	10043-35-3	Yes	Yes	Yes
Purified water	7732-18-5	Yes	Yes	Yes
Hydranate™	3794-83-0	Yes	Yes	Yes
Poloxamine	11111-34-5	Yes	No	Yes
Sodium chloride	7647-14-5	Yes	Yes	Yes

## Canada

### Labor

#### Canada - WHMIS - Classifications of Substances

• Sodium borate	1303-96-4	D2B
• Hydranate™	3794-83-0	Not Listed
• Edetate disodium	6381-92-6	Uncontrolled product according to WHMIS classification criteria
• Sodium chloride	7647-14-5	Uncontrolled product according to WHMIS classification criteria
• Boric acid	10043-35-3	D2A
• Poloxamine	11111-34-5	Not Listed
• Purified water	7732-18-5	Uncontrolled product according to WHMIS classification criteria
• Dymed™	27083-27-8	Not Listed

#### Canada - WHMIS - Ingredient Disclosure List

• Sodium borate	1303-96-4	1 %
• Hydranate™	3794-83-0	Not Listed
• Edetate disodium	6381-92-6	Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Boric acid	10043-35-3	1 %
• Poloxamine	11111-34-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Dymed™	27083-27-8	Not Listed

## Europe

## Other

### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• Sodium borate	1303-96-4	Repr.Cat.2; R60-61
• Hydranate™	3794-83-0	Not Listed
• Edetate disodium	6381-92-6	Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Boric acid	10043-35-3	Repr.Cat.2; R60-61
• Poloxamine	11111-34-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Dymed™	27083-27-8	Not Listed

### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Sodium borate	1303-96-4	8.5%≤C: Repr.Cat.2; R:60-61
• Hydranate™	3794-83-0	Not Listed
• Edetate disodium	6381-92-6	Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Boric acid	10043-35-3	5.5%≤C: Repr.Cat.2; R:60-61
• Poloxamine	11111-34-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Dymed™	27083-27-8	Not Listed

### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Sodium borate	1303-96-4	T R:60-61 S:53-45
• Hydranate™	3794-83-0	Not Listed
• Edetate disodium	6381-92-6	Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Boric acid	10043-35-3	T R:60-61 S:53-45
• Poloxamine	11111-34-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Dymed™	27083-27-8	Not Listed

### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Sodium borate	1303-96-4	Not Listed
• Hydranate™	3794-83-0	Not Listed
• Edetate disodium	6381-92-6	Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Boric acid	10043-35-3	Not Listed
• Poloxamine	11111-34-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Dymed™	27083-27-8	Not Listed

### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Sodium borate	1303-96-4	S:53-45
• Hydranate™	3794-83-0	Not Listed
• Edetate disodium	6381-92-6	Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Boric acid	10043-35-3	S:53-45
• Poloxamine	11111-34-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Dymed™	27083-27-8	Not Listed

## United Kingdom

### Environment

#### United Kingdom - List of Chemicals of Concern



• Sodium borate	1303-96-4	Not Listed
• Hydranate™	3794-83-0	Not Listed
• Edetate disodium	6381-92-6	Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Boric acid	10043-35-3	Not Listed
• Poloxamine	11111-34-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Dymed™	27083-27-8	Not Listed

## United States

### Environment

#### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Sodium borate	1303-96-4	Not Listed
• Hydranate™	3794-83-0	Not Listed
• Edetate disodium	6381-92-6	Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Boric acid	10043-35-3	Not Listed
• Poloxamine	11111-34-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Dymed™	27083-27-8	Not Listed

## United States - California

### Environment

#### U.S. - California - Proposition 65 - Carcinogens List

• Sodium borate	1303-96-4	Not Listed
• Hydranate™	3794-83-0	Not Listed
• Edetate disodium	6381-92-6	Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Boric acid	10043-35-3	Not Listed
• Poloxamine	11111-34-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Dymed™	27083-27-8	Not Listed

#### U.S. - California - Proposition 65 - Developmental Toxicity

• Sodium borate	1303-96-4	Not Listed
• Hydranate™	3794-83-0	Not Listed
• Edetate disodium	6381-92-6	Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Boric acid	10043-35-3	Not Listed
• Poloxamine	11111-34-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Dymed™	27083-27-8	Not Listed

#### U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Sodium borate	1303-96-4	Not Listed
• Hydranate™	3794-83-0	Not Listed
• Edetate disodium	6381-92-6	Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Boric acid	10043-35-3	Not Listed
• Poloxamine	11111-34-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Dymed™	27083-27-8	Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**

• Sodium borate	1303-96-4	Not Listed
• Hydranate™	3794-83-0	Not Listed
• Edetate disodium	6381-92-6	Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Boric acid	10043-35-3	Not Listed
• Poloxamine	11111-34-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Dymed™	27083-27-8	Not Listed

**Section 16 - Other Information**
**Revision Date**

- 14/December/2016

**Last Revision Date**

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**Preparation Date**

- 06/February/2015

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