

**Safety Data Sheet****Section 1: Identification****Product identifier****Product Name** • **Boston® Cleaner****Product Code** • 625420; FCP-4851**Product Description** • Contact lens cleaner.**Relevant identified uses of the substance or mixture and uses advised against****Recommended use** • Rigid gas permeable contact lens cleaner**Restrictions on use** • Use in accordance with product literature.**Details of the supplier of the safety data sheet****Manufacturer** • Bausch & Lomb, Inc  
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**Section 2: Hazard Identification****UN GHS**

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

**Classification of the substance or mixture****UN GHS** • Skin Mild Irritation 3  
Carcinogenicity 2  
Eye Irritation 2A**Label elements****UN GHS****WARNING****Hazard statements** • Causes serious eye irritation  
Causes mild skin irritation  
While the finished product is believed to be safe, some ingredients are suspected of causing cancer.

## Precautionary statements

**Prevention** • Wash thoroughly after handling.  
Use personal protective equipment as required.

**Response** • IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
If skin irritation occurs: Get medical advice/attention.

**Storage/Disposal** • Store at 15-25°C (59-77°F)..  
Keep tightly closed and store in upright position.

## Other hazards

UN GHS

- No data available

## Section 3 - Composition/Information on Ingredients

### Substances

- Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

### Mixtures

Composition			
Chemical Name	Identifiers	%	Classifications According to Regulation/Directive
Alpine scent	CAS:68917-18-0	< 0.1%	UN GHS: not classified
Cedepal TD-403	CAS:25446-78-0 EINECS:246-985-2	< 35%	UN GHS: not classified
Purified water	CAS:7732-18-5 EINECS:231-791-2	> 60%	UN GHS: not classified
Sodium chloride	CAS:7647-14-5 EINECS:231-598-3	< 11%	UN GHS: Skin Irrit. 2; Eye Irrit. 2A; Acute Tox. Oral 5
Syloid -72	CAS:63231-67-4	< 5%	UN GHS: not classified
Titanium dioxide	CAS:13463-67-7 EINECS:236-675-5	< 1%	UN GHS: STOT RE 2; Carc. 2

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. Get medical attention if symptoms occur.

#### Skin

- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

#### Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

#### Ingestion

- Call a physician or poison control center 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 15-25°C (59-77°F), to maintain product integrity. Use before 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	OSHA
Titanium dioxide (13463-67-7)	TWAs	10 mg/m3 TWA	10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total dust)	15 mg/m3 TWA (total dust)
Syloid -72 (63231-67-4)	TWAs	Not established	6 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, respirable dust)	Not established

**Exposure Control Notations****ACGIH**

- Titanium dioxide (13463-67-7): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)

**Exposure Limits Supplemental****ACGIH**

- Titanium dioxide (13463-67-7): **TLV Basis - Critical Effects:** (lower respiratory tract irritation)

**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.

**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	White
Odor	No odor.		
General Properties			
Boiling Point	Not relevant	Melting Point	Not relevant
Decomposition Temperature	Not relevant	pH	5.8 to 8
Specific Gravity/Relative Density	1.07 to 1.1	Water Solubility	Not relevant
Viscosity	No data available		
Volatility			
Vapor Pressure	Not relevant	Vapor Density	Not relevant
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Environmental			

Octanol/Water Partition coefficient	Not relevant		
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## 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

Components		
Sodium chloride (< 11%)	7647-14-5	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 3000 mg/kg; Ingestion/Oral-Rat TDLo • 1 mg/kg 24 Hour(s); <i>Biochemical:Metabolism (intermediary):</i> <b>Effect on Na-K pump</b>
Titanium dioxide (< 1%)	13463-67-7	<b>Irritation:</b> Skin-Human • 300 µg 3 Day(s)-Intermittent • Mild irritation
Alpine scent (< 0.1%)	68917-18-0	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 1240 mg/kg
Syloid -72 (< 5%)	63231-67-4	<b>Multi-dose Toxicity:</b> Inhalation-Rat TCLo • 5 mg/m <sup>3</sup> 5 Day(s)-Intermittent; <i>Lungs, Thorax, or Respiration:</i> <b>Sputum; Lungs, Thorax, or Respiration:Other changes</b>

GHS Properties	Classification
<b>Acute toxicity</b>	UN GHS • Classification criteria not met
<b>Aspiration Hazard</b>	UN GHS • Classification criteria not met
<b>Carcinogenicity</b>	UN GHS • Carcinogenicity 2
<b>Germ Cell Mutagenicity</b>	UN GHS • Classification criteria not met
<b>Skin corrosion/Irritation</b>	UN GHS • Skin Mild Irritation 3
<b>Skin sensitization</b>	UN GHS • Classification criteria not met
<b>STOT-RE</b>	UN GHS • Classification criteria not met
<b>STOT-SE</b>	UN GHS • Classification criteria not met
<b>Toxicity for Reproduction</b>	UN GHS • Classification criteria not met
<b>Respiratory sensitization</b>	UN GHS • Classification criteria not met

Serious eye damage/Irritation

UN GHS • Eye Irritation 2A

**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)**
  - May cause mild irritation.
- Chronic (Delayed)**
  - Causes mild skin irritation.

**Eye**

- Acute (Immediate)**
  - Causes serious eye irritation.
- Chronic (Delayed)**
  - No data available.

**Ingestion**

- Acute (Immediate)**
  - Not expected to be an exposure route. However, may cause gastric and intestinal irritation if ingested.
- Chronic (Delayed)**
  - No data available

**Carcinogenic Effects**

- While the finished product is believed to be safe, an ingredient in the product is suspected of causing cancer.

Carcinogenic Effects			
	CAS	IARC	NTP
Titanium dioxide	13463-67-7	Group 2B-Possible Carcinogen	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	NDA	NDA	NDA	NDA
IMO/IMDG	NDA	Not regulated	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
Cedepal TD-403	25446-78-0	Yes	Yes	Yes
Alpine scent	68917-18-0	Yes	No	Yes
Syloid -72	63231-67-4	Yes	No	Yes
Sodium chloride	7647-14-5	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	Yes	Yes
Purified water	7732-18-5	Yes	Yes	Yes

## Canada

### Labor

#### Canada - WHMIS - Classifications of Substances

• Syloid -72	63231-67-4	Uncontrolled product according to WHMIS classification criteria D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Titanium dioxide, mixture containing on Health Canada's WHMIS Division website.)
• Titanium dioxide	13463-67-7	Not Listed
• Titanium dioxide as Titanium compounds		Uncontrolled product according to WHMIS classification criteria
• Sodium chloride	7647-14-5	Uncontrolled product according to WHMIS classification criteria
• Purified water	7732-18-5	Uncontrolled product according to WHMIS classification criteria
• Alpine scent	68917-18-0	Not Listed
• Cedepal TD-403	25446-78-0	Not Listed

**Canada - WHMIS - Ingredient Disclosure List**

• Syloid -72	63231-67-4	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Titanium dioxide as Titanium compounds		Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Alpine scent	68917-18-0	Not Listed
• Cedepal TD-403	25446-78-0	Not Listed

**Europe****Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

• Syloid -72	63231-67-4	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Titanium dioxide as Titanium compounds		Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Alpine scent	68917-18-0	Not Listed
• Cedepal TD-403	25446-78-0	Not Listed

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

• Syloid -72	63231-67-4	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Titanium dioxide as Titanium compounds		Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Alpine scent	68917-18-0	Not Listed
• Cedepal TD-403	25446-78-0	Not Listed

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

• Syloid -72	63231-67-4	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Titanium dioxide as Titanium compounds		Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Alpine scent	68917-18-0	Not Listed
• Cedepal TD-403	25446-78-0	Not Listed

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

• Syloid -72	63231-67-4	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Titanium dioxide as Titanium compounds		Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Alpine scent	68917-18-0	Not Listed
• Cedepal TD-403	25446-78-0	Not Listed

**United States****Environment****U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

• Syloid -72	63231-67-4	Not Listed
• Titanium dioxide	13463-67-7	Not Listed



• Titanium dioxide as Titanium compounds		Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Alpine scent	68917-18-0	Not Listed
• Cedepal TD-403	25446-78-0	Not Listed

## United States - California

### Environment

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

• Syloid -72	63231-67-4	Not Listed
• Titanium dioxide	13463-67-7	carcinogen, initial date 9/2/11 (airborne, unbound particles of respirable size)
• Titanium dioxide as Titanium compounds		Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Alpine scent	68917-18-0	Not Listed
• Cedepal TD-403	25446-78-0	Not Listed

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

• Syloid -72	63231-67-4	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Titanium dioxide as Titanium compounds		Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Alpine scent	68917-18-0	Not Listed
• Cedepal TD-403	25446-78-0	Not Listed

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

• Syloid -72	63231-67-4	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Titanium dioxide as Titanium compounds		Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Alpine scent	68917-18-0	Not Listed
• Cedepal TD-403	25446-78-0	Not Listed

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

• Syloid -72	63231-67-4	Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Titanium dioxide as Titanium compounds		Not Listed
• Sodium chloride	7647-14-5	Not Listed
• Purified water	7732-18-5	Not Listed
• Alpine scent	68917-18-0	Not Listed
• Cedepal TD-403	25446-78-0	Not Listed

## Section 16 - Other Information

<b>Last Revision Date</b>	• 17/February/2015
<b>Preparation Date</b>	• 17/February/2015
<b>Disclaimer/Statement of</b>	• To the best of our knowledge, the information contained herein is accurate. However,

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