

OPTI-FREE® PUREMOIST® Multi-Purpose Disinfecting Solution

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).
Date of Issue: 09/16/2021 Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: OPTI-FREE® PUREMOIST® Multi-Purpose Disinfecting Solution

1.2. Intended Use of the Product

For use in the daily cleaning, reconditioning, rinsing, removing protein deposits, reducing lipid deposition, chemical (not heat) disinfection, and storage of silicone hydrogel and soft (hydrophilic) contact lenses as recommended by your eye care practitioner.

1.3. Name, Address, and Telephone of the Responsible Party

Company

Alcon Laboratories, Inc.
6201 S. Freeway
Fort Worth, Texas 76134
USA

Tel: 1-817-551-4444

E-mail: safety.datasheets@alcon.com

1.4. Emergency Telephone Number

Emergency Number : ChemTel LLC
1-800-255-3924 (US/Canada)
+1-813-248-0585 (International)
1-300-954-583 (Australia)
400-120-0751 (China)
000-800-100-4086 (India)
800-099-0731 (Mexico)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Not classified

2.2. Label Elements

GHS-US/CA Labeling

No labeling applicable according to 29 CFR 1910.1200 and the Hazardous Products Regulations (HPR) SOR/2015-17.

2.3. Other Hazards

None under normal conditions.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Boric acid (H3BO3)	Boric acid / Orthoboric acid / Boracic acid	(CAS-No.) 10043-35-3	< 1	Repr. 1B, H360

Full text of H- and EUH-statements: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%). The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

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Skin Contact: Wash affected areas with soap and water. Obtain medical attention if irritation develops or persists.

Eye Contact: Not expected to require first aid measures. Obtain medical attention if there is persistent irritation.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: Prolonged exposure may cause skin irritation.

Eye Contact: None expected under normal conditions of use.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide, foam, dry chemical.

Unsuitable Extinguishing Media: None.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Boron compounds. Carbon oxides (CO, CO₂). Chlorine compounds. Nitrogen oxides.

5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid breathing (vapor, mist, spray). Avoid prolonged skin contact.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged skin contact. Avoid breathing vapors, mist, spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

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Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids. Strong oxidizers.

Storage Temperature: 15 – 25 °C (59 - 77 °F)

7.3. Specific End Use(s)

For use in the daily cleaning, reconditioning, rinsing, removing protein deposits, reducing lipid deposition, chemical (not heat) disinfection, and storage of silicone hydrogel and soft (hydrophilic) contact lenses as recommended by your eye care practitioner.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Boric acid (H3BO3) (10043-35-3)		
USA ACGIH	ACGIH OEL TWA	2 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
USA ACGIH	ACGIH OEL STEL	6 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
British Columbia	OEL STEL	6 mg/m ³ (inhalable (Borate compounds, inorganic))
British Columbia	OEL TWA	2 mg/m ³ (inhalable (Borate compounds, inorganic))
Manitoba	OEL STEL	6 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
Manitoba	OEL TWA	2 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
Newfoundland & Labrador	OEL STEL	6 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
Newfoundland & Labrador	OEL TWA	2 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
Nova Scotia	OEL STEL	6 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
Nova Scotia	OEL TWA	2 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
Nunavut	OEL STEL	6 mg/m ³ (inhalable fraction (Borate compounds, inorganic))
Nunavut	OEL TWA	2 mg/m ³ (inhalable fraction (Borate compounds, inorganic))
Northwest Territories	OEL STEL	6 mg/m ³ (inhalable fraction (Borate compounds, inorganic))
Northwest Territories	OEL TWA	2 mg/m ³ (inhalable fraction (Borate compounds, inorganic))
Ontario	OEL STEL	6 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
Ontario	OEL TWA	2 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
Prince Edward Island	OEL STEL	6 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
Prince Edward Island	OEL TWA	2 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
Québec	VECD OEL STEL	6 mg/m ³ (inhalable dust (Borate, inorganic compounds))
Québec	VEMP OEL TWA	2 mg/m ³ (inhalable dust (Borate, inorganic compounds))
Saskatchewan	OEL STEL	6 mg/m ³ (inhalable fraction (Borate compounds, inorganic))
Saskatchewan	OEL TWA	2 mg/m ³ (inhalable fraction (Borate compounds, inorganic))

8.2. Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: For occupational/workplace settings and bulk quantities: Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

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Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Colorless
Odor	: Odorless
Odor Threshold	: Not available
pH	: 7.8
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not applicable
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20°C	: Not available
Relative Density	: Not available
Specific Gravity	: Not available
Solubility	: Water: Fully miscible
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.
- 10.5. Incompatible Materials:** Strong acids. Strong oxidizers.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition may produce: Boron compounds. Carbon oxides (CO, CO₂). Chlorine compounds. Nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

- Acute Toxicity (Oral):** Not classified
Acute Toxicity (Dermal): Not classified
Acute Toxicity (Inhalation): Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Not classified
Eye Damage/Irritation: Not classified.
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified.
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

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Symptoms/Injuries After Eye Contact: None expected under normal conditions of use.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Boric acid (H3BO3) (10043-35-3)	
LD50 Oral Rat	2660 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Boric acid (H3BO3) (10043-35-3)	
LC50 Fish	447 mg/l
EC50 Crustacea	115 – 153 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 Algae	290 mg/l
NOEC Chronic Fish	2.1 mg/l

12.2. Persistence and Degradability

OPTI-FREE® PUREMOIST® Multi-Purpose Disinfecting Solution	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

OPTI-FREE® PUREMOIST® Multi-Purpose Disinfecting Solution	
Bioaccumulative Potential	Not established.

Boric acid (H3BO3) (10043-35-3)	
BCF Fish	0
Partition coefficient n-octanol/water (Log Pow)	-0.757 (at 25 °C)

12.4. Mobility in Soil Not available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Ecology - Waste Materials: Avoid unnecessary release into the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

14.4. In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Boric acid (H3BO3) (10043-35-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2. US State Regulations

Neither this product nor its chemical components appear on any US state lists, or its chemical components are not required to be disclosed

15.3. Canadian Regulations

Boric acid (H3BO3) (10043-35-3)	
Listed on the Canadian DSL (Domestic Substances List)	

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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 09/16/2021

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

Repr. 1B	Reproductive toxicity Category 1B
H360	May damage fertility or the unborn child

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

NA GHS SDS 2015 (Can, US)