

Issue Date September 1 2018

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Version 3

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

### 1.1. Product identifier

Product name	<b>BioGlove - PBG Hand Sanitizer</b>
Product number	PB-1003
<b>UN/ID No</b>	NA
<b>Product Code</b>	<b>PB-1003</b>

### 1.2. Relevant identified uses of the substance or mixture and uses advised against:

Recommended Use: **Hand Sanitizer fine mist spray used to decrease bacteria on hands, recommended for repeated external use.**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

### 2.1. Classification of the substance or mixture

Not Hazardous

### 2.2. Label elements

None

### Signal Word:

Hazard Statements

None

Precautionary Statements/Response

None.



## 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. CHEMICAL NAME	CAS#	WT%
De mineralized Water	7732-18-5	96.598%
Benzalkonium Chloride 50.% USP ACTIVE	8001-54-5	0.26%
Triethoxysilypropyl steardimonium chloride	62117-57-1	>1.0% < 2.25%
Laureth -4	9002-92-0	>0.2 % < 0.7%
Polihexanide	28757-47-3	1.3%
Caprylyl Glucoside	29836-26-8	>0.2% <0.5%
Aloe Barbadenis leaf extract	8001-97-6	0.05%
Phenoxyethanol	122-99-6	>0.1% <0.4%
Citric Acid	77-92-9	0.0001%

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### Inhalation

Remove victim immediately from source of exposure.

##### Ingestion

None

##### Skin contact

None.

##### Eye contact

Immediately flush with plenty of water for up to 15 minutes.

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

##### Inhalation.

None. Ingestion

None.

##### Skin contact

None

##### Eye contact

None.

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

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog.

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards

None.

#### 5.3. Advice for firefighters

Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.



## SECTION 6: HANDLING AND STORAGE

### 6.1. Personal precautions, protective equipment and emergency procedures

Follow precautions for safe handling described in this safety data sheet.

### 6.2. Environmental precautions

None

### 6.3. Methods and material for containment and cleaning up

Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

### 6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid spilling,  
Keep from Freezing above 0C /32F

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a well-ventilated place. Keep from freezing and direct sunlight.  
Storage Class  
Miscellaneous hazardous material storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters Ingredient Comments

No exposure limits noted for ingredient(s)

### 8.2. Exposure controls

Protective equipment

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

Respiratory equipment

None.

Hand protection

None.

Eye protection

None

Other Protection

Wear appropriate long sleeve clothing. Hygiene measures

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear to cloudy when cold
Odor	None
Odor Threshold	Not determined
pH	4.0-7.0
Melting point/freezing point	0°C/ 0C
Boiling point/boiling range	100 °C
Flash point	100 °C
Evaporation rate	Similar to water
Flammability (solid, gas)	N/A
Flammability Limits in Air	
Upper flammability limits	N/A
Lower flammability limit	N/A
Vapor pressure	23 mmHg
Vapor density	23gm/m <sup>3</sup>
Specific Gravity	0.98-1.20
Water solubility	Soluble in water
Solubility in other solvents	Not determined
Partition coefficient	Not determined
Autoignition temperature	Not flammable
Decomposition temperature	Not determined

#### Other Information

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

Not available.

### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid freezing since water based. (will thaw)

### 10.5. Incompatible materials

Not available

### 10.6. Hazardous decomposition product

None.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### **Acute Oral LD50**

LD 50 > 2000 -5000 mg/kg body weight  
Classified under Category 5 –Non Classified, as per Global Harmonized System for Classification and Labeling of Chemicals (UNGHS 2013) and OECD Harmonized Integrated Classification for Human Health and Environment Hazards of Chemicals Substances and Mixtures (14th Aug 2001).

#### **Acute Dermal LD50**

LD 50 > 2000-5000 mg/kg body weight  
Classified under Category 5 or Non Classified as per Global Harmonized System for Classification and Labeling of Chemicals (UNGHS 2013) and OECD Harmonized Integrated Classification for Human Health and Environmental Hazards of Chemicals Substances and Mixtures (14th Aug 2001).

#### **Skin contact**

Negative Findings base on Global Harmonized System for Classification and Labeling of Chemicals and OECD Harmonized Integrated Classification System for Human Health and Environmental Hazards of Chemical Substances and Mixtures (14th Aug 2001)

#### **Acute Eye Irritation**

Not irritating to eyes as per Global Harmonized System for Classification and Labeling of Chemicals (UN GHS 2013) and OECD Harmonized Integrated Classification for Human Health and Environmental Hazards of Chemicals Substances and Mixtures (14th Aug 2001).

#### **Acute Inhalation Toxicity**

LC50: > 1.75 mg/L and is classified as "Unclassified based on Globally Harmonized System for Classification and Labeling of Chemicals (GHS) and OECD Harmonized Integrated Classification System for Human Health and Environmental Hazards of Chemical Substances and Mixtures and EC classification.

#### **Skin Sensitization contact**

Negative Findings base on Global Harmonized Systems Classification and Labeling of Chemicals and OECD Harmonized Integrated Classifications System for Human Health and Environmental Hazards of Chemical Substances and Mixtures

#### **Germ Cell Mutagenicity**

Data is not available at this time

#### **Carcinogenicity**

Data is not available at this time. Not expected to be carcinogenic.

#### **Reproductive Toxicity**

Data is not available at this time. Not expected to have reproductive toxicity.

#### **STOT-single exposure**

Unclassified

#### **STOT-repeated exposure**

Unclassified

#### **Aspiration Hazard**

Data is not available at this time

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

#### 12.1. Toxicity

##### **Acute Toxicity Daphnia magna OECD 202 Immobility**

Data is not available at this time

##### **Acute Toxicity Danio Rerio OECD 203**

Data is not available at this time

##### **Fresh water Algae Growth Desmodemus subspicatus at 72 hours OECD 201**

Data is not available at this time

#### 12.2. Persistence and degradability

##### Degradability

Data is not available at this time

#### 12.3. Bioaccumulative potential

Bioaccumulative potential Data

is not available at this time

#### 12.4. Mobility in soil

Mobility: Data is not available at this time

#### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances

#### 12.6. Other adverse effects

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

#### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local, state and national regulations

#### 13.2 Contaminated packaging

Empty container retains (product residue). Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty containers except for storage and shipment of original products. Remove all product residue from container before disposal or recycling

## SECTION 14: TRANSPORTATION INFORMATION

### DOT

Proper shipping name	Non hazardous
UN/ID No	
Hazard Class	
Packing Group	N/A
Special Provisions	N/A

### IATA

UN/ID No	
Proper shipping name	
Hazard Class	
Subsidiary hazard class	N/A
Packing Group	N/A
ERG Code	N/A

### TDG

UN/ID No	
Proper shipping name	
Hazard Class	
Packing Group	N/A
Special Provisions	N/A

IMDG UN/ID	
No	
Proper shipping name	
Hazard Class	
Subsidiary hazard class	N/A
Packing Group	N/A



## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or Mixture

#### International Inventories

TSCA Listed  
DSL Listed  
NDSL Not Listed  
EINECS Listed  
ELINCS Not Listed  
ENCS IECSC  
KECL  
PICCS AICS

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances

#### 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 a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 37.

#### 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

#### CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Not Listed			

#### US State Regulations

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Not Listed			

#### U.S. EPA Label Information





## SECTION 16: OTHER INFORMATION

USA National Fire Prevention and OSHA

GHS Codes

Hazard Statements In Full

USA National Fire Prevention and OSHA

NFPA	Health hazards 0	Flammability 0	Instability 0	Special Hazards
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HMIS	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection
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Revision Note

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, this product is manufactured by smart green pbg exclusively for bioglove unless specified in the text.

End of Safety Data Sheet

