



HEALTHCARE BEYOND BURN CARE™

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 04-Feb-2019

Revision date 04-Feb-2019

Revision Number 1

## 1. Identification

### Product identifier

**Product Name** Triple Antibiotic First Aid Ointment

### Other means of identification

**Product Code(s)** TA.50.121

**Synonyms** Bacitracin zinc-neomycin sulfate- polymyxin B sulfate ointment

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

**Recommended use** To help prevent infection in minor cuts, scrapes, burns

**Restrictions on use** For external use only.

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

#### Manufacturer Address

WaterJel Technologies®  
50 Broad Street  
Carlstadt, NJ 07072  
P: 201-507-8300

### Emergency telephone number

**Emergency Telephone** 800-275-3433 (8:00 am-5:00 pm EST Weekdays)

## 2. Hazard(s) identification

### Classification

Not classified.

### Label elements

#### **Hazard statements**

Not classified.

### Other information

No information available.

### 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture****Synonyms**

Bacitracin zinc-neomycin sulfate- polymyxin B sulfate ointment.

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Petrolatum (USP Grade)	8009-03-8	80-100	-	-

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

### 4. First-aid measures

**Description of first aid measures**

Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.
Skin contact	Wash skin with soap and water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

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

Symptoms	May cause skin irritation in susceptible persons. May cause redness and tearing of the eyes.
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**Indication of any immediate medical attention and special treatment needed**

Note to physicians	Treat symptomatically.
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### 5. Fire-fighting measures

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	No information available.
Specific hazards arising from the chemical	No information available.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

### Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

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

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

**Hand 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. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

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

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Off-white ointment
Physical state	Solid
Color	Off-white
Odor	Characteristic: Slightly fatty odor
Odor threshold	No information available

Property	Values	Remarks • Method
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	>93 °C / >200 °F	
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		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.87	@25°C
Water solubility	Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient	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

### Other information

Explosive properties	No information available.
Oxidizing properties	No information available.
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available

## 10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

## 11. Toxicological information

**Information on likely routes of exposure**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. May cause eye irritation with susceptible persons.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. May be harmful in contact with skin. Causes mild skin irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. May cause gastrointestinal discomfort if consumed in large amounts.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Symptoms</b>	May cause skin irritation in susceptible persons. May cause redness and tearing of the eyes.
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**Acute toxicity****Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (dermal) 3,640.80 mg/kg

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Petrolatum (USP Grade)		= 3600 mg/kg ( Rabbit )	

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

<b>Skin corrosion/irritation</b>	May cause mild to moderate irritation.
<b>Serious eye damage/eye irritation</b>	May cause mild to moderate irritation.
<b>Respiratory or skin sensitization</b>	Not expected to be sensitizer.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**12. Ecological information**

<b>Ecotoxicity</b>	The environmental impact of this product has not been fully investigated.
<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.

<b>Mobility in soil</b>	No information available.
<b>Mobility</b>	No information available.
<b>Other adverse effects</b>	No information available.

### 13. Disposal considerations

#### Waste treatment methods

<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Do not reuse empty containers.

### 14. Transport information

<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated
<b><u>MEX</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated

### 15. Regulatory information

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

#### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

#### International Inventories

<b>TSCA</b>	Contact supplier for inventory compliance status.
<b>DSL/NDSL</b>	Contact supplier for inventory compliance status.
<b>EINECS/ELINCS</b>	Contact supplier for inventory compliance status.
<b>ENCS</b>	Contact supplier for inventory compliance status.
<b>IECSC</b>	Contact supplier for inventory compliance status.
<b>KECL</b>	Contact supplier for inventory compliance status.
<b>PICCS</b>	Contact supplier for inventory compliance status.
<b>AICS</b>	Contact supplier for inventory compliance status.

#### **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  
**AICS** - Australian Inventory of 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 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**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

#### **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

#### **US State Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Bacitracin zinc 1405-89-6	X	-	X

### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

## **16. Other information**

<b>NFPA</b>	<b>Health hazards</b> 0	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and chemical properties</b> -
<b>HMIS</b>	<b>Health hazards</b> 0	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal protection</b> X

#### **Key or legend to abbreviations and acronyms used in the safety data sheet**

##### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
RTECS (Registry of Toxic Effects of Chemical Substances)  
World Health Organization

**Issuing Date** 04-Feb-2019

**Revision date** 04-Feb-2019

**Revision Note** Initial Release.

**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**





**茂康医疗**  
MAO KANG MEDICAL

# Safety Data Sheet

## Benzalkonium Chloride Antiseptic Towelettes

### Section 1. Identification

Product Identifier	Benzalkonium Chloride Antiseptic Towelettes		
Item #	N/A		
Recommended use	Antiseptic wipe		
Uses advised against	N/A		
Manufacturer Contact	Changzhou Maokang Medical Products Co., Ltd		
Address	No.88 of Longxi Avenue, Zhulin Town, Jintan District, Changzhou City, Jiangsu Province, China 213241		
	Phone	Emergency Phone	Fax
	(0519) 80186508	(0519) 80186508	(0519) 82442788
	Website		
	<a href="http://www.maokangmedical.com">http://www.maokangmedical.com</a>		

### Section 2. Hazards Identification

Classification	No OSHA Hazard Classifications Applicable - Category N.A.
Signal Word	
Pictogram	
Hazard Statements	No OSHA Hazard Classifications Applicable
Precautionary Statements	
Response	N/A
Prevention	N/A
Storage	N/A

Disposal N/A

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

May cause slight irritation to eyes.

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
63449-41-2	Benzalkonium Chloride	0.1%~1%
144-55-8	Sodium bicarbonate	0.01%~0.1%
7732-18-5	Purified Water	Up to 100%

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. 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:** Assure fresh air breathing. Allow the victim to rest.

**Skin contact:** Normally considered as not dangerous for the skin. If skin irritation or rash occurs: Gently wash with plenty of soap and water, Take off contaminated clothing and wash it before reuse.

**Eye contact:** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

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

**Most important symptoms and effects, both acute and delayed:** Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

**Indication of immediate medical attention and special treatment needed:** Treat symptomatically.

### Section 5. Fire Fighting Measures

**Suitable Extinguishing Media** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable Extinguishing Media** N/A

**Reactivity:** Stable: Not reactive when mixed with water.

**Advice for firefighters:** Firefighting instructions: Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

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

## Section 6. Accidental Release Measures

For non-emergency personnel:	Emergency procedures: Evacuate unnecessary personnel.
For emergency responders:	Protective equipment: Equip cleanup crew with proper protection.  Emergency procedures: Ventilate area.
Environmental precautions:	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Methods and material for containment and cleaning up:	Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Reference to other sections:	See Heading 8. Exposure controls and personal protection.

## Section 7. Handling and Storage

Precautions for Safe Handling:	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
Conditions for safe storage, including any incompatibilities:	Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Strong acids, strong bases and oxidation agents. Keep container closed when not in use.  Incompatible products: Strong bases. Strong acids.  Storage temperature: 20 - 25 °C
Specific End use(s):	No additional information available.

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIHTLV	OSHA PEL	STEL
Personal Protective Equipment	Gloves			
Appropriate Engineering Controls:	Ensure good ventilation of the workstation.			
Personal Protective Equipment:	Avoid all unnecessary exposure.			
Hand protection:	Wear protective gloves when handling concentrated product.			
Eye protection:	Not required for normal conditions of use. In manufacturing or other industrial settings: Chemical goggles or safety glasses.			
Respiratory protection:	Respiratory protection not required in normal conditions.			
Other information:	Do not eat, drink or smoke during use.			

## Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Colorless/Clear
Odor	Characteristic
Odor Threshold	N.D.
Solubility	Miscible with water
Partition coefficient Water/n-octanol	N.D.
VOC%	N/A
Viscosity	N.D.
Specific Gravity	1
Density lbs/Gal	1
Pounds per Cubic Foot	N/A
Flash Point	> 94 °C
FP Method	N.D.
pH	4 - 6
Melting Point	N.D.
Boiling Point	≈ 100 °C
Boiling Range	N.D.
LEL	N/A
UEL	N/A
Evaporation Rate	N.D.
Flammability	N.D.
Decomposition Temperature	N.D.
Auto-ignition Temperature	N.D.
Vapor Pressure	≈ 23.8 mm Hg @ 25 °C
Vapor Density	N.D.

Explosive Properties:	Not expected to be a fire/explosion hazard under normal conditions of use.
Oxidizing Properties:	Not classified as oxidizing.
Explosive Limits:	No data available.
Other information:	No additional information available.

## Section 10. Stability and Reactivity

Reactivity:	Stable: Not reactive when mixed with water.
Chemical Stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None under normal use.
Conditions to avoid:	Extremely high or low temperatures.
Incompatible materials:	Strong acids. Strong bases.
Hazardous Decomposition Products:	Fumes. Carbon monoxide. Carbon dioxide.

## Section 11. Toxicological Information

Acute Toxicity:	Not classified.
Skin corrosion/irritation:	Not classified pH: 4 - 6
Serious eye damage/irritation:	Not classified pH: 4 - 6
Respiratory/Skin Sensitization:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive Toxicity:	Not classified.
Specific Target Organ Toxicity - Single Exposure:	Not classified.
Specific Target Organ Toxicity - Repeated Exposure:	Not classified.
Aspiration hazard:	Not classified.

## Section 12. Ecological Information

Toxicity:	No additional information available.
Persistence and degradability:	Not established.
Bioaccumulative potential:	Not established.
Mobility in soil:	No additional information available.

## Section 13. Disposal

Waste Treatment Methods:	Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
	Ecology - waste materials: Avoid release to the environment.

## Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not Regulated
DOT Classification	Not Regulated
Packing Group	Not Regulated
IMDG:	Not Regulated
IATA:	Not Regulated

## Section 15. Regulatory Information

SARA 311/312:	Refer to Section 2 of the SDS.
SARA 302:	N.A.
SARA 304:	N.A.
SARA 313:	N.A.
TSCA:	All components are listed or exempt.
CERCLA Hazardous Substance List:	N.A.
Clean Air Act (CAA) Section 112, 112 (r):	N.A.
State Regulations:	N.A.

## Section 16. Other Information

Revision Date	03/03/2025
Legend	N.A. - Not Applicable N.E. - Not Established N.D. - Not Determined
Additional Information:	The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 07-Jan-2020

Revision Date 07-Jan-2020

Revision Number 1

## 1. Identification

### Product identifier

**Product Name** Sterile Gel-Soaked Burn Dressing, Burn Blankets and Gel

### Other means of identification

**Product Code(s)** BDGELHA.00.121

**Synonyms** Sterile Gel-Soaked Burn Dressing, Burn Blankets and Gel with HA

**Other information** See Section 16 for Instructions for Use

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

**Recommended use** Emergency first aid for burns

**Restrictions on use** For external use only.

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

#### Manufacturer Address

WaterJel ® Technologies  
50 Broad Street  
Carlstadt, NJ 07072  
P: 201-507-8300

### Emergency telephone number

**Emergency Telephone** 800-275-3433 (8:00 am-5:00 pm EST Weekdays)

## 2. Hazard(s) identification

### Classification

### Label elements

#### **Hazard statements**

Not classified.

### Other information

No information available.

## 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture****Synonyms****Sterile Gel-Soaked Burn Dressing, Burn Blankets and Gel with HA**

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Phenoxyethanol	122-99-6	0.5-1.5	-	-
Glycerin	56-81-5	0.5-1.5	-	-
Sodium hydroxide	1310-73-2	0.5-1.5	-	-

**4. First-aid measures****Description of first aid measures**

Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.
Skin contact	Wash skin with soap and water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

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

Symptoms	None known.
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**Indication of any immediate medical attention and special treatment needed**

Note to physicians	Treat symptomatically.
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**5. Fire-fighting measures**

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	No information available.
Specific hazards arising from the chemical	No information available.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.



## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL		NIOSH
Glycerin 56-81-5	-	TWA: 15 mg/m³ mist, total particulate TWA: 5 mg/m³ mist, respirable fraction (vacated) TWA: 10 mg/m³ mist, total particulate (vacated) TWA: 5 mg/m³ mist, respirable fraction		-
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m³	TWA: 2 mg/m³ (vacated) Ceiling: 2 mg/m³		IDLH: 10 mg/m³ Ceiling: 2 mg/m³
Chemical name	Alberta	British Columbia	Ontario	Quebec
Phenoxyethanol 122-99-6	-	-	TWA: 25 ppm TWA: 141 mg/m³ Skin	-
Glycerin 56-81-5	TWA: 10 mg/m³	TWA: 10 mg/m³ TWA: 3 mg/m³	-	TWA: 10 mg/m³
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m³	Ceiling: 2 mg/m³	CEV: 2 mg/m³	Ceiling: 2 mg/m³

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations

Ventilation systems.

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

<b>Eye/face protection</b>	No special protective equipment required.
<b>Hand protection</b>	No special protective equipment required.
<b>Skin and body protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

### **9. Physical and chemical properties**

#### **Information on basic physical and chemical properties**

<b>Appearance</b>	Clear to Opaque, colorless to yellow liquid embedded in a white pad
<b>Physical state</b>	Liquid
<b>Color</b>	Clear, Opaque, Colorless to yellow
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	6.0 - 7.7	For the gel
<b>Melting point / freezing point</b>	No data available	None known
<b>Boiling point / boiling range</b>	No data available	None known
<b>Flash point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Vapor density</b>	No data available	None known
<b>Relative density</b>	0.997	@25°C. For the gel
<b>Water solubility</b>	Soluble in water	
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	4,500 - 23,000 cP	Brookfield; Spindle #4; 12 RPM. For the gel

#### **Other information**

<b>Explosive properties</b>	No information available.
<b>Oxidizing properties</b>	No information available.
<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	No information available

### **10. Stability and reactivity**

<b>Reactivity</b>	None under normal use conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	None known based on information supplied.
<b>Incompatible materials</b>	None known based on information supplied.
<b>Hazardous decomposition products</b>	None known based on information supplied.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Symptoms</b>	None known.
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### Acute toxicity

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	50,000.00 mg/kg
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#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Phenoxyethanol	= 1850 mg/kg ( Rat )	= 5 mL/kg ( Rabbit )	> 0.057 mg/L ( Rat ) 8 h
Glycerin	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h
Sodium hydroxide	= 325 mg/kg ( Rat )	= 1350 mg/kg ( Rabbit )	-

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

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## 12. Ecological information

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Phenoxyethanol 122-99-6	EC50: >500mg/L (72h, Desmodesmus subspicatus)	LC50: =366mg/L (96h, Pimephales promelas) LC50: 337 - 352mg/L (96h, Pimephales promelas)	-	EC50: >500mg/L (48h, Daphnia magna)
Glycerin 56-81-5	-	LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)	-	-
Sodium hydroxide 1310-73-2	-	LC50: =45.4mg/L (96h, Oncorhynchus mykiss)	-	-

**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

### Component Information

Chemical name	Partition coefficient
Phenoxyethanol 122-99-6	1.13
Glycerin 56-81-5	-1.76

**Mobility in soil** No information available.

**Other adverse effects** No information available.

## 13. Disposal considerations

### Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

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

Chemical name	California Hazardous Waste Status
Sodium hydroxide 1310-73-2	Toxic Corrosive

## 14. Transport information

<b>DOT</b>	Not regulated
<b>TDG</b>	Not regulated
<b>MEX</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG</b>	Not regulated

## 15. Regulatory information

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

#### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

#### International Inventories

<b>TSCA</b>	Contact supplier for inventory compliance status.
<b>DSL/NDSL</b>	Contact supplier for inventory compliance status.

#### **Legend:**

**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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Phenoxyethanol - 122-99-6	1.0

#### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

#### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide 1310-73-2	1000 lb	-	-	X

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous	Reportable Quantity (RQ)
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		Substances RQs	
Sodium hydroxide 1310-73-2	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations****US State Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Glycerin 56-81-5	X	X	X
Phenoxyethanol 122-99-6	X	-	X
Sodium hydroxide 1310-73-2	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. Other information**

<b>NFPA</b>	Health hazards 0	Flammability 0	Instability 0	Physical and chemical properties -
<b>HMIS</b>	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection X

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AELG(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

Issuing Date 07-Jan-2020

**Revision Date** 07-Jan-2020

**Revision Note** Initial Release.

**Instructions on Use** 1. Open package. 2. Remove sterile gel soaked dressing. 3 Place over affected area. 4. Call the medic.

**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**



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

PHYSICIANS CARE 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 as it does not fall under the definition of "Hazardous product" as per regulations - 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).





## PHYSICIANS CARE EYEWASH

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

For single use only

**Precautionary Statements - Response**

If concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store as per product label between 20°C to 25°C (68°F to 77°F)

**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 (H <sub>3</sub> BO <sub>3</sub> )	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**

This product is a first aid measure for cleansing the eye to help relieve irritation or burning by removing loose foreign material.

**Skin contact**

None



PHYSICIANS CARE EYEWASH

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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.



PHYSICIANS CARE EYEWASH

## 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 if safe to do so.

Methods for cleaning up Soak up with inert 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. Store as per product label between 20°C to 25°C (68°F to 77°F)

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> ) 10043-35-3	TWA: 2 mg/m <sup>3</sup> inhalable fraction STEL: 6 mg/m <sup>3</sup> inhalable fraction	-	
Sodium borate 1330-43-4	STEL: 6 mg/m <sup>3</sup> inhalable fraction 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



## PHYSICIANS CARE EYEWASH

962 (11th Cir., 1992)

Appropriate engineering controls

Engineering Measures	Showers Eyewash stations Ventilation systems
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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	





## PHYSICIANS CARE EYEWASH

Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing properties	No data available	

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 exposureProduct 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) 10043-35-3	= 2660 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2.03 mg/L ( Rat ) 4 h



## PHYSICIANS CARE EYEWASH

Sodium borate 1330-43-4	= 2403 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
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Information on toxicological effects

Symptoms No information available.

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

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Reproductive toxicity No information available

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic Toxicity No known effect based on information supplied.

Target Organ Effects No information available

Aspiration Hazard 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

## PHYSICIANS CARE EYEWASH

## 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> ) 10043-35-3		72h LC50: = 1020 mg/L (Carassius auratus)		48h EC50: 115 - 153 mg/L
Sodium borate 1330-43-4	96h EC50: = 158 mg/L (Desmodesmus subspicatus) 96h EC50: 2.6 - 21.8 mg/L (Pseudokirchneriella subcapitata)	96h LC50: = 340 mg/L (Limanda limanda)		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> ) 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 substance that is listed with the State of California as a hazardous waste. However the amounts used in this product is negligible and is of below the prescribed limits for toxicity.

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



PHYSICIANS CARE EYEWASH

## 14. TRANSPORT INFORMATION

<u>DOT</u>	NOT REGULATED
Proper Shipping Name	NON REGULATED
Hazard Class	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





## PHYSICIANS CARE EYEWASH

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 RegulationsCalifornia 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 1330-43-4		X	X		

International Regulations

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

## Canada

## WHMIS Hazard Class

Not applicable

## 16. OTHER INFORMATION

NFPA	Health Hazards 0	Flammability 0	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazards 0	Flammability 0	Physical Hazard 0	Personal Protection X

## Prepared By

Niagara Pharmaceuticals Inc.  
60 Innovation Drive  
Flamborough, ON, L9H7P3



PHYSICIANS CARE EYEWASH

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Revision Date	905-690-6277 12-Dec-2018
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**





HEALTHCARE BEYOND BURN CARE™

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 08-Mar-2019

Revision Date 02-Jan-2020

Revision Number 1.1

## 1. Identification

### Product identifier

Product Name Hand Sanitizer

### Other means of identification

Product Code(s) 910042.00.006

UN/ID no UN1170

Synonyms Instant Hand Sanitizer Antiseptic Gel with Vitamin E & Aloe

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

Recommended use Hand sanitizer

Restrictions on use For external use only.

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

#### **Manufacturer Address**

WaterJel ® Technologies  
50 Broad Street  
Carlstadt, NJ 07072  
P: 201-507-8300

### Emergency telephone number

Emergency Telephone 800-275-3433 (8:00 am-5:00 pm EST Weekdays)

## 2. Hazard(s) identification

### Classification

Flammable liquids	Category 2
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### Label elements

#### **Danger**

#### **Hazard statements**

Highly flammable liquid and vapor

**Precautionary Statements - Prevention**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection.

**Precautionary Statements - Response****Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**Fire**

In case of fire: Use CO2, dry chemical, or foam to extinguish.

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Other information**

No information available.

### 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture****Synonyms**

Instant Hand Sanitizer Antiseptic Gel with Vitamin E & Aloe.

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Ethyl alcohol	64-17-5	45-70	-	-

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

### 4. First-aid measures

**Description of first aid measures****Inhalation**

Remove to fresh air.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

**Skin contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information.

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

<b>Symptoms</b>	May cause redness and tearing of the eyes. May cause skin irritation in susceptible persons.
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**Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically.
---------------------------	------------------------

**5. Fire-fighting measures**

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.
<b>Unsuitable extinguishing media</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Specific hazards arising from the chemical</b>	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	Yes.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.
<b>Other information</b>	Ventilate the area.

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

<b>Methods for containment</b>	Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Methods for cleaning up</b>	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

#### Advice on safe handling

Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure Limits

Chemical name	ACGIH TLV		OSHA PEL		NIOSH	
Ethyl alcohol 64-17-5	STEL: 1000 ppm		TWA: 1000 ppm TWA: 1900 mg/m³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m³		IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m³	
Chemical name	Alberta		British Columbia		Quebec	
Ethyl alcohol 64-17-5	TWA: 1000 ppm TWA: 1880 mg/m³		STEL: 1000 ppm		STEL: 1000 ppm  TWA: 1000 ppm TWA: 1880 mg/m³	

### Appropriate engineering controls

#### Engineering controls

Showers  
Eyewash stations  
Ventilation systems.

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

#### Eye/face protection

Tight sealing safety goggles.

#### Hand protection

Wear suitable gloves. Impervious gloves.

#### Skin and body protection

Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

#### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

#### General hygiene considerations

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is

recommended. Wash hands before breaks and immediately after handling the product.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Translucent liquid
Physical state	Liquid
Color	Clear to semi-clear
Odor	Characteristic
Odor threshold	No information available

Property	Values	Remarks • Method
pH	6.9 - 7.3	@ 25 °C
Melting point / freezing point	No data available	None known
Boiling point / boiling range	79.4 °C / 174.9 °F	
Flash point	22.2 °C 72 °F	CC (closed cup)
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.87 - 0.91	@25°C
Water solubility	Soluble in water	
Solubility(ies)	No data available	None known
Partition coefficient	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

### Other information

Explosive properties	No information available.
Oxidizing properties	No information available.
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available

## 10. Stability and reactivity

Reactivity	None under normal use conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

## 11. Toxicological information

Information on likely routes of exposure

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. Vapors may be irritating to eyes, nose, throat, and lungs.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. May cause redness, itching, and pain.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. May cause irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. May cause gastrointestinal discomfort if consumed in large amounts.

Symptoms related to the physical, chemical and toxicological characteristics

<b>Symptoms</b>	May cause redness and tearing of the eyes. May cause skin irritation in susceptible persons.
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Acute toxicity**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	10,844.90 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	191.60 mg/l

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl alcohol	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h

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

<b>Skin corrosion/irritation</b>	May cause mild to moderate irritation.
<b>Serious eye damage/eye irritation</b>	May cause mild to moderate irritation.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethyl alcohol 64-17-5	A3	Group 1	Known	X

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present



<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Target organ effects</b>	liver, Respiratory system, Eyes, Skin, Central nervous system, blood, Reproductive System.
<b>Aspiration hazard</b>	No information available.

## 12. Ecological information

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethyl alcohol 64-17-5	-	LC50: 12.0 - 16.0mL/L (96h, Oncorhynchus mykiss) LC50: 13400 - 15100mg/L (96h, Pimephales promelas) LC50: >100mg/L (96h, Pimephales promelas)	-	LC50: 9268 - 14221mg/L (48h, Daphnia magna) EC50: =2mg/L (48h, Daphnia magna)

**Persistence and degradability** No information available.

**Bioaccumulation** There is no data for this product.

### Component Information

Chemical name	Partition coefficient
Ethyl alcohol 64-17-5	-0.32

**Mobility in soil** No information available.

**Mobility** No information available.

**Other adverse effects** No information available.

## 13. Disposal considerations

### Waste treatment methods

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**US EPA Waste Number** D001.

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

Chemical name	California Hazardous Waste Status
Ethyl alcohol	Toxic

64-17-5

Ignitable

**14. Transport information****DOT**

UN/ID no	UN1170
Proper shipping name	ETHANOL SOLUTION
Hazard class	3
Packing group	II
Special Provisions	24, IB2, T4, TP1
Description	UN1170, ETHANOL SOLUTION, 3, II
Emergency Response Guide Number	127

**TDG**

UN/ID no	UN1170
Proper shipping name	ETHANOL SOLUTION
Hazard class	3
Packing group	II
Special Provisions	150
Description	UN1170, ETHANOL SOLUTION, 3, II

**MEX**

UN/ID no	UN1170
Proper shipping name	ETHANOL SOLUTION
Hazard class	3
Special Provisions	144
Packing group	II
Description	UN1170, ETHANOL SOLUTION, 3, II

**IATA**

UN number	UN1170
UN proper shipping name	Ethanol solution
Transport hazard class(es)	3
Packing group	II
ERG Code	3L
Special Provisions	A180, A3, A58
Description	UN1170, Ethanol solution, 3, II

**IMDG**

UN number	Not regulated
UN proper shipping name	UN1170
Transport hazard class(es)	ETHANOL SOLUTION
Packing group	3
EmS-No	II
Special Provisions	F-E, S-D
Description	144
	UN1170, ETHANOL SOLUTION, 3, II, (22.2°C C.C.)

**15. Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****International Regulations**

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

**International Inventories****TSCA**

Contact supplier for inventory compliance status.

**DSL/NDSL**

Contact supplier for inventory compliance status.

**Legend:****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**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**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**

Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

**U.S. State Right-to-Know Regulations****US State Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Ethyl alcohol 64-17-5	X	X	X
Propane-1,2-diol 57-55-6	X	-	X

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information****NFPA**

Health hazards 1

Flammability 3

Instability 0

Physical and chemical  
properties -**HMIS**

Health hazards 2

Flammability 3

Physical hazards 0

Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet

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**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Issuing Date** 08-Mar-2019  
**Revision Date** 02-Jan-2020  
**Revision Note** SDS sections updated: 14.

**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**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking.****1.1 Product identifier;****Mixture identification:**

Generic name (Product Identity): Thermoregulating pads

Trade name:

- Thermapatch
- Pharmacool

Manufacturer's Product Code: Various

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Recommended use: Pain relief through thermoregulating affected area

Restrictions on use: Any use other than those mentioned above

**ThermaPatch:**

- Do NOT use for infants, children or persons unable to remove the patch on their own.
- Do NOT use if you are allergic to adhesive plaster.
- Do NOT use on areas around wounds, rashes, damaged skin, face, or on areas where any medication or other heat source has been applied.
- Do NOT use whilst asleep or with prolonged pressure against patch.
- Do NOT use if the patch is damaged or torn.
- Do NOT use on the same area for more than 8 hours in any 24-hour period.

**Pharmacool:**

- Do NOT place pack directly onto the skin as low temperatures can cause freeze burns
- Do NOT store in fridge or freezer. However, store in room temperature
- Do NOT use on sensory impaired patients
- Do NOT strike or stand on the pack

**SIDE EFFECTS**

Using thermotherapy may result in numbness of area being heated/cooled, might cause minor burns in case of prolonged usage.

**1.3 Details of the supplier of the safety data sheet****2 Manufacturer/Supplier Data:**

Pharmaplast S.A.E. 23512 Amria Free Zone,  
Alexandria, Egypt.

Pharmaplast S.A.E. Part number 2, block 7, Third industrial zone,  
Borg el Arab, Alexandria, Egypt.

KRE LTD, Industrial area, 2830 Katunsi, Sandanski, Bulgaria.  
Pharmaplast group.

**3** - e-mail address of competent person responsible for the SDS: [rd@pharmaplast-online.com](mailto:rd@pharmaplast-online.com).

**3.1 Emergency telephone number:**

References to emergency information services shall be provided to all manufacturing sites

E-mails: rd@pharmaplast-online.com & RA@pharmaplast-online.com.

Tel: 002034500264

Fax: 002034500263

Only available during the following office hours: 08:00 AM – 05:00 PM

**SECTION 2: Hazards identification****2.1. Classification of the mixture**

The mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

**2.2. Label elements in accordance with CLP Regulation of (EC No 1272/2008)**

Signal word: N.A

Hazard Pictograms: N.A

Hazard statement Parts: N.A

Precautionary statement: N.A

Supplemental Hazard information (EU)54: N.A

**2.3. Other hazards**

This mixture does not contain any substances that are assessed to be persistent, bio accumulative and toxic (PBT) or very persistent and very bio accumulative (vPvB), according to the criteria given in Annex XIII of Regulation (EC) No. 1907/2006.

This mixture does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties.

**Other hazards which do not result in classification.**

No Known hazard may contribute to the overall hazards of the mixture.

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### **SECTION 3: Composition/information on ingredients**

#### **Thermapatch**

Substance name	CAS No	EC No	Percentage % by descending order by mass	Classification according to Regulation (EC) No 1278/2008 (CLP).
Iron content	7439-89-6	231-096-4	28.32	Not Classified
Water	7732-18-5	231-791-2	8.45	Not Classified
Vermiculite	1318-00-9	603-518-0	5.95	Not Classified
Activated Carbon	64365-11-3	231-153-3	4.25	Not Classified
Polyethylene film	9002-88-4	-	3	Not Classified
Spun laced nonwoven	80595-68-2	-	1.25	Not Classified
Spunbonded nonwoven	9003-07-0 or 25085-53-4	-	1.25	Not Classified
Vinyl Acrylic Copolymer	65045-76-3	-	0.75	Not Classified
Sodium Carboxymethylcellulose	9004-32-4	-	0.2	Not Classified

#### **Pharmacool**

Substance name	CAS No	EC No	Percentage by descending order by mass	Classification according to Regulation (EC) No 1278/2008 (CLP).
Urea	57-13-6	200-315-5	50	Not Classified
Purified water	7732-18-5	231-791-2	50	Not Classified

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

4.1.1. First aid instructions provided by relevant routes of exposure

**Inhalation:** Not usually relevant, unless it gets too hot and breaks down. If any decomposition fumes are inhaled, remove to fresh air.

**Skin contact:** Not hazardous under normal conditions of use. Like all Mixtures, has a possibility of causing skin irritation or sensitization in susceptible individuals.

**Eye contact:** Rinse eyes thoroughly with water, obtain medical attention if effects persist

**Ingestion (If swallowed):** Obtain medical attention, do not induce vomiting. Give one or two glasses of water

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

**Inhalation:** Not a route of exposure for This mixture. If any decomposition fumes are inhaled, remove to fresh air.

Eyes Not a route of exposure for This mixture: may cause temporary eye irritation if come in Contact.  
Skin If irritation occurs or sensitization develops, wash thoroughly with soap and water. Obtain medical attention if effects persist  
Ingestion Not a route of exposure for This mixture: slightly harmful if swallowed. May cause gastrointestinal irritation.

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

Note to physicians: Treat symptomatically as above mentioned

**SECTION 5: Firefighting measures.**

The requirements for fighting a fire caused by the mixture, or arising in its vicinity.

**5.1. Extinguishing media****Suitable extinguishing media:**

In case of fire: Use a firefighting agent suitable for ordinary combustible material such as water or foam to extinguish.

**Unsuitable extinguishing media: NA****5.2. Special hazards arising from the substance or mixture.**

None inherent in these mixtures

**5.3. Advice for firefighters**

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head

**SECTION 6: Accidental release measures**

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

No adverse effects on persons, property and the environment of spills, leaks, or releases.

6.1.1. For non-emergency personnel (NA )

6.1.2. For emergency responders (NA )

**6.2. Environmental precautions**

No environmental issues expected.

**6.3. Methods and material for containment and cleaning up. (NA)****6.4. Reference to other sections if applicable**

See section 7 for information on safe handling.



See section 8 for information on personal protection equipment.  
See section 13 for disposal information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

**Recommendations shall be specified to:**

**7.2. Conditions for safe storage including any incompatibilities**

In line with Pharmaplast storage precaution and conditions in the TD.

**Technical measures and storage conditions:** Store in cool, dry place, avoid direct sun light, moist sources, keep container tightly closed.

**Packaging materials:** primary PE laminate side /secondary (paper carton) / tertiary (multilayers rigid paper carton)

**Requirements for storage rooms and vessels:** Cool-Dry-away from sunlight-

**Further information on storage conditions:** No further relevant information available.

**7.3. Specific end use (s) : NA****SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

Occupational exposure limits: No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

**8.2. Exposure controls**

**8.2.1. Appropriate engineering controls:** No engineering controls required.

**8.2.2. Personal protection equipment:**

**8.2.2.1. Eye and face protection:** Eye protection not required

**8.2.2.2. Skin protection:** No protective gloves required

Other skin protection: NA

**8.2.2.3. Respiratory protection:** Respiratory protection is not required.

**8.2.2.4. Thermal hazards:** No thermal Hazard expected so no thermal protection is not required under normal use

**8.2.2.5. Environmental exposure controls:** No hazard may expect so protection is not required.

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#### **SECTION 9: Physical and chemical properties.**

Property	Remarks/Guidance
(a) Physical state	Solid
(b) Colour	<u>Various</u> colors.
(c) Odour	Odorless.
(d) Melting point/freezing point	<i>Not determined</i>
(e) Boiling point or initial boiling point and boiling range	Not determined
(f) Flammability	Not flammable .
(g) Lower and upper explosion limit	Not applicable because Do not apply to solids.
(h) Flash point	Not applicable because Does not apply to gases, aerosols and solids.
(i) Auto-ignition temperature	Not applicable because only applies to gases and liquids.
(j) Decomposition temperature	Not applicable as the Mixtures will not decompose.
(k) pH	Not applicable for solid
(l) Kinematic viscosity	Not applicable because it is Only applies to liquids.
(m) Solubility	Insoluble in water. The solubility in other polar and non-polar solvents may also be included. partially soluble solvent.
(n) Partition coefficient n-octanol/water (log value)	Not applicable because it Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.
(o) Vapour pressure	Not applicable
(p) Density and/or relative density	Not applicable
(q) Relative vapour density	Not applicable as it is Only applies to gases and liquids.
(r) Particle characteristics	Not applicable

#### **SECTION 10: Stability and reactivity**

##### **10.1. Reactivity**

This material is considered to be non-reactive under normal use conditions

##### **10.2. Chemical stability**

This material is considered to be Stable.

##### **10.3. Possibility of hazardous reactions.**

No hazardous reaction may possible

##### **10.4. Conditions to avoid:** No known conditions to be avoided

##### **10.5. Incompatible materials:** No known Incompatibility with other materials

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**10.6. Hazardous decomposition products:** No known hazardous decomposition product under normal use

Under recommended usage conditions, hazardous decomposition products are not expected. Unknown Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

The relevant hazard classes, for which information shall be provided, are:

- (a) Acute toxicity; Based on available data, the classification criteria are not met.
- (b) skin corrosion/irritation; Based on available data, the classification criteria are not met.
- (c) serious eye damage/irritation; Based on available data, the classification criteria are not met.
- (d) respiratory or skin sensitization; Based on available data, the classification criteria are not met.
- (e) germ cell mutagenicity; Based on available data, the classification criteria are not met.
- (f) carcinogenicity; ; Based on available data, the classification criteria are not met.
- (h) Specific Target Organ Toxicity STOT-single exposure: Based on available data, the classification criteria are not met.
- (i) Specific Target Organ Toxicity STOT-repeated exposure; Based on available data, the classification criteria are not met.
- (j) aspiration hazard. Based on available data, the classification criteria are not met.

**Inhalation exposure:** Not usually relevant, unless it gets too hot and breaks down. If any decomposition fumes are inhaled, remove to fresh air.

**Skin exposure:** Not hazardous under normal conditions of use. Like all Mixtures, has a possibility of causing skin irritation or sensitization in susceptible individuals.

**Eye contact:** Rinse eyes thoroughly with water, obtain medical attention if effects persist

**Ingestion (If swallowed):** Obtain medical attention, do not induce vomiting. Give one or two glasses of water

**11.2. Information on other hazards**

This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

**11.2.1. Endocrine disrupting properties**

No adverse health effects caused by endocrine disrupting properties under corresponding Regulations ((EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605).

**11.2.2. Other information**

No Known hazard may contribute to the overall hazards of the mixture.

**SECTION 12: Ecological information**

The final product not considered as dangerous for the environment

**12.1. Toxicity**

Acute (short-term) toxicity: Not acutely toxic to aquatic life by GHS criteria.

Fish:

Crustacea:

Algae/aquatic plants:

Other organisms:

Chronic (long-term) toxicity: Not chronically toxic to aquatic life by GHS criteria.

Fish:

Crustacea:

Algae/aquatic plants:

Other organisms: Not chronically toxic to aquatic life by GHS criteria

12.2 Persistence and degradability: No information available for the product

12.3 Bio accumulative potential: Experimental data are not available,  
Partition coefficient n-octanol /water (log K<sub>ow</sub>):  
Bioconcentration factor (BCF):

12.4 Mobility in soil: This product is considered to be an article which does not release /distribute/mobile in soil.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB”

12.6 Endocrine disrupting properties

“This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.”

12.7 Other adverse effects

No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### **SECTION 13: Disposal considerations**

#### **13.1 Waste treatment methods**

Comply with all applicable local and federal laws.

Wound care dressings can be disposed away with normal waste unless they are saturated or dripping with blood or other regulated bodily fluids from medical or nursing care; in that case, they must be disposed of as contaminated waste according to regulations and classified as hazardous waste.

**SECTION 14: Transport information****In case of Final products:****No special transport requirements. Not a Dangerous Good or Workplace Hazardous Substance.**

14.1 UN Number Not classified as dangerous goods according to transport regulations

14.2 UN Proper Shipping Name Not applicable

14.3 Transport Hazard Class Not applicable

14.4 Packing Group Not applicable

14.5 Environmental Hazard Not applicable

14.6 Special Precautions for User Not applicable

14.7 Hazchem Code Not applicable

**SECTION 15: Regulatory information:**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture non-hazardous so no special, health and environmental regulations

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: Other information****a: Revision History:**

Revision NO #	Description of Change
04	Review and amend SDS sections in compliance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020, amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

**b: Abbreviations**

OELs Occupational Exposure Limits

CAS: Chemical Abstracts Service

SDS: Safety data sheet

c: key literatures and references sources for data: NA