



茂康医疗
MAO KANG MEDICAL

Safety Data Sheet

70% Alcohol Prep Pads

Section 1. Identification

Product Identifier Sterile 70% Isopropyl Alcohol Prep Pads
Recommended use N/A
Uses advised against Antiseptic/cleansing Wipe

Manufacturer Contact Address Changzhou Maokang Medical Products Co., Ltd
No.88 of Longxi Avenue, Zhulin Town, Jintan District,
Changzhou City, Jiangsu Province, China 213241

Phone
(0519) 80186508

Emergency Phone
(0519) 80186508

Fax
(0519) 82442788

Website
www.maokangmedical.com

Section 2. Hazards Identification

Classification ACUTE TOXICITY - ORAL - Category 5
EYE DAMAGE/IRRITATION - Category 2B
FLAMMABLE LIQUIDS - Category 2
SENSITIZATION - SKIN - Category 1B

Signal Word Warning

Pictogram



Hazard Statements

Causes eye irritation
Flammable liquid and vapor
May be harmful if swallowed
May cause an allergic skin reaction

Precautionary Statements Response

Call a poison center/ doctor if you feel unwell.
If eye irritation persists: Get medical advice/ attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do . Continue rinsing .
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
If on skin: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/ attention.
In case of fire: Use appropriate media to extinguish .
Wash contaminated clothing before reuse .

Prevention

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
Contaminated work clothing must not be allowed out of the workplace .
Ground/ bond container and receiving equipment .
Keep away from heat.
Keep container tightly closed.
Take precautionary measures against static discharge .
Use explosion- proof electrical/ ventilating/ lighting equipment .
Use only non- sparking tools .
Wash affected area thoroughly after handling.
Wear protective gloves.
Wear protective gloves/ eye protection/ face protection

Storage

Store in a well-ventilated place. Keep cool.

Disposal

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

Ingredients of unknown
toxicity 0%

Hazards not Otherwise
Classified

No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
67-63-0	Isopropyl alcohol	70 %
7732-18-5	Purified water	30%

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

Section 4. First-Aid Measures

General Advice:	Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Eye Contact:	Flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.
Skin Contact:	Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Wash with soap and water. Do not apply oils or ointments unless ordered by the physician.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if discomfort continues or if you feel unwell.
Ingestion:	If swallowed, call a physician immediately. Rinse mouth and throat thoroughly with water. Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	In case of fire, use Water spray, Carbon Dioxide (CO ₂), Foam, Dry Chemical
Unsuitable Extinguishing Media	N.D.
Unusual Fire and Explosion Hazards:	N.D.
Special Fire Fighting Procedures:	N.D.

Section 6. Accidental Release Measures

Flammable Small Spill:	Absorb with an inert dry material and place in an appropriate waste disposal container.
Flammable Large Spill:	Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.

Section 7. Handling and Storage

Handling Flammable:	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/ fumes/ vapor/ spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.
Storage Flammable:	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Isopropyl alcohol	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm STEL: 500 ppm	N/A
Personal Protective Equipment	N/A			
Engineering Controls:	No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety.			
Respiratory Protection:	None required under normal use conditions .			
Skin Protection:	None required for normal use. For prolonged exposure, use appropriate goggles, protective clothing and gloves.			
Eye Protection:	None required for normal use. For prolonged exposure, use appropriate goggles, protective clothing and gloves.			
Other protective equipment:	Not expected to be necessary under normal conditions of use. Where exposure cannot be adequately controlled, use appropriate protective clothing or equipment .			
Work/ hygienic practices:	Handle in accordance with good industrial hygiene and safety practices . Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.			

Section 9 . Physical and Chemical Properties

Physical State	N D
Color	Clear, colorless with characteristic of IPA
Odor	N.D.
Odor Threshold	N.D.
Solubility	Azeotrope
Partition coefficient Water/n-octanol	N.D.
VOC%	N/A
Viscosity	N.D.
Specific Gravity	0.878
Density lbs/ Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	70° F/21. 1° C
FP Method	N.D.
pH	N.D.
Melting Point	N.A.
Boiling Point	>180° F/ >82.2° C
Boiling Range	N.D.
LEL	2
UEL	12
Evaporation Rate	7.0
Flammability	N D
Decomposition Temperature	N.D.
Auto-ignition Temperature	N.D.
Vapor Pressure	733
Vapor Density	> 2.0

Section 10 . Stability and Reactivity

Stability: Stable.

Incompatibility (Materials to N.D.
avoid):

Hazardous Decomposition None
or Byproducts

Hazardous Polymerization: N.D.

Conditions to avoid: None .

Section 11. Toxicological Information

Acute Toxicity: Eye Contact	Contact may cause temporary moderate irritation.
Acute Toxicity: Skin Contact	May cause mild irritation on patients with sensitive skin.
Acute Toxicity: Inhalation	N.A.
Acute Toxicity: Ingestion	May be harmful if swallowed.
Carcinogenicity:	None known .
Chronic Toxicity:	None known .

Section 12. Ecological Information

Toxicity:	N.D.
Persistence and degradability:	N.D.
Bioaccumulative potential:	N.D.
Mobility in soil:	N.D.
Other adverse effects:	N.D.

Section 13. Disposal

Waste Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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Section 14. Transport Information

UN Number	3175
UN Proper Shipping Name	Solids containing flammable liquid, n .o .s .
DOT Classification	4.1
Packing Group	II
IMDG - UN Number:	3175
IMDG - UN Proper Shipping Name:	Solids containing flammable liquid, n.o.s. (ISOPROPYL ALCOHOL)
IMDG - Hazard Class:	4.1
IMDG - Packing Group:	II
IATA - UN Number:	3175
IATA - UN Proper Shipping Name:	Solids containing flammable liquid, n.o.s. (ISOPROPYL ALCOHOL)
IATA - Hazard Class:	4.1
IATA - Packing Group:	II
Additional information:	The premoistened prep pads may be shipped as not regulated according to: DOT: Special Provision 47 IMDG: Special Provision 216 IATA: Special Provision A46 allows for UN3175, Solids, containing flammable liquid, n .o .s ., in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet. IMDG/IMO- According to IMDG/IMO the product is not Dangerous cargo.

Section 15. Regulatory Information

SARA 311/312:	Refer to Section 2 of the SDS.
SARA 302:	N.A.
SARA 304:	N.A.
SARA 313:	Isopropyl alcohol.
TSCA:	All components are listed or exempt.
CERCLA Hazardous Substance List:	N.A.
Clean Air Act (CAA) Section 112, 112 (r):	N.A.
New Jersey Right to Know Components:	ISOPROPYL ALCOHOL.
Pennsylvania Right to Know Components:	2-PROPANOL.
Rhode Island Right to Know Components:	isopropyl alcohol .
Massachusetts Right to Know Components:	N.A.

Section 16. Other Information

Revision Date	03/03/2025
Legend	N.A. - Not Applicable N.E. - Not Established N.D. - Not Determined

HMIS (U.S.A.): Health	1
HMIS (U.S.A.): Flammability	3
HMIS (U.S.A.): Reactivity	1
National Fire Protection Association (U.S.A): Health	1
National Fire Protection Association (U.S.A): Flammability	3
National Fire Protection Association (U.S.A): Instability Hazard	1

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 .



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.

Indication of any immediate medical attention and special treatment needed**Note to physicians**

Treat symptomatically.

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

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation.
Eye contact	Specific test data for the substance or mixture is not available. May cause eye irritation with susceptible persons.
Skin contact	Specific test data for the substance or mixture is not available. May be harmful in contact with skin. Causes mild skin irritation.
Ingestion	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

Symptoms	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

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

12. Ecological information

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

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	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

14. Transport information

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

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

NFPA	Health hazards 0	Flammability 0	Instability 0	Physical and chemical properties -
HMIS	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) (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		
	http://www.maokangmedical.com		

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.

Safetec First Aid Cream with Aloe

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SAFETY DATA SHEET**SECTION 1. IDENTIFICATION****Product identifier used on the label**: **Safetec First Aid Cream with Aloe****Other means of identification** : 990134

38025, 50008, 53404, 53410, 61009, 61017, 807708, 9346, 96073

Recommended use of the chemical and restrictions on use

: Personal Care Applications

Recommended restrictions: Keep out of reach of children.

Chemical family

: Mixture.

**Name, address, and telephone number
of the supplier:****Safetec of America, Inc.**887 Kensington Avenue
Buffalo, NY, USA
14215

Supplier's Telephone # : 716-895-1822

24 Hr. Emergency Tel # : 1-800-255-3924**Name, address, and telephone number of
the manufacturer:**

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION**Classification of the chemical**

White cream. Slight alcohol odour.

This product is sold as a personal care item that is safe for consumers and other users under normal and reasonably foreseeable use. As such, it is not regulated under Hazcom 2012/WHMIS 2015 labeling and SDS requirements do not apply.

For informational purposes, this product would have the following OSHA classification;

Flammable Liquid - Category 4

Serious eye damage/eye irritation - Category 2A

Label elements*Hazard pictogram(s)**Signal Word*

Warning!

Hazard statement(s)

Combustible liquid.

Causes serious eye irritation.

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Precautionary statement(s)

Keep away from flames and hot surfaces. - No smoking. Wash thoroughly after handling. Wear eye/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use water fog, dry chemical, CO2 or 'alcohol' foam to extinguish. Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local regulation.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Ethanol	Ethyl alcohol Ethyl hydrate	64-17-5	5.0 - 10.0
Mineral Oil	Paraffin oil Liquid petrolatum	8042-47-5	5.0 - 10.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : Harmful effects are not expected under normal usage. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Inhalation* : Harmful effects are not expected under normal usage. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Skin contact* : Harmful effects are not expected under normal usage. If skin irritation or rash occurs: Get medical advice/attention.
- Eye contact* : If in eyes: Rinse cautiously with water for several minutes. If eye irritation persists: get medical advice/attention.

Most important symptoms and effects, both acute and delayed

- : Causes serious eye irritation. Symptoms may include stinging, tearing, redness and swelling.

Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media* : Dry chemicals. Foam. Carbon dioxide (CO2). Water or fog spray.
- Unsuitable extinguishing media* : Do not use water jet as extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture / Conditions of flammability

- : COMBUSTIBLE LIQUID.

Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquid - Category 4

Hazardous combustion products

- : Carbon oxides

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

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: Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing.

Special fire-fighting procedures

: Cool containers exposed to heat with water spray and remove container, if no risk is involved.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment.

Environmental precautions : Avoid release to the environment.

Methods and material for containment and cleaning up

: Wipe up with absorbent material (e.g. cloth, fleece).

Special spill response procedures

: Not applicable.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Do not ingest or swallow. Observe good industrial hygiene practices.

Conditions for safe storage : Keep containers closed when not in use. Store in a well-ventilated place. Keep container tightly closed.

Incompatible materials : Strong oxidizing agents. Acids.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>			
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u> <u>STEL</u>
Ethanol	N/Av	1000 ppm	1000 ppm (1900 mg/m ³) N/Av
Mineral Oil	5 mg/m ³ (inhalable) (As 'Oil mist, mineral')	N/Av	5 mg/m ³ (As 'Oil mist, mineral') N/Av

Exposure controls

Ventilation and engineering measures

: None required under normal conditions.

Respiratory protection : None required under normal conditions.

Skin protection : None required under normal conditions.

Eye / face protection : None required under normal conditions.

Other protective equipment : None required when used as intended.

General hygiene considerations

: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : White cream.

Odour : Slight alcohol odour.

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SAFETY DATA SHEET**Odour threshold** : Not available.**pH** : Not available.**Melting Point/Freezing point** : 60°C**Initial boiling point and boiling range**

: Not available.

Flash point : ~62°C**Flashpoint (Method)** : Closed cup**Evaporation rate (BuAe = 1)** : Not available.**Flammability (solid, gas)** : Not applicable.**Lower flammable limit (% by vol.)**

: Not available.

Upper flammable limit (% by vol.)

: Not available.

Oxidizing properties : Not applicable**Explosive properties** : Not explosive**Vapour pressure** : Not available.**Vapour density** : Not available.**Relative density / Specific gravity**

: 0.99

Solubility in water : Complete**Other solubility(ies)** : Not available.**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution**

: Not available.

Auto-ignition temperature : Not available.**Decomposition temperature** : Not available.**Viscosity** : Not available.**Volatiles (% by weight)** : Not available.**Volatile organic Compounds (VOC's)**

: Not available.

Absolute pressure of container

: Not available.

Flame projection length : Not available.**Other physical/chemical comments**

: None known or reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY**Reactivity** : The product is stable and non-reactive under normal conditions of use, storage and transport.**Chemical stability** : Material is stable under normal conditions.**Possibility of hazardous reactions**

: Hazardous polymerization does not occur.

Conditions to avoid : Keep away from heat, sparks and open flames.**Incompatible materials** : Acids; Strong oxidizers.**Hazardous decomposition products**

: None known, refer to hazardous combustion products in Section 5.

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SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES

Routes of entry skin & eye : YES

Routes of entry Ingestion : YES

Routes of exposure skin absorption
: YES

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: None expected, when used as intended.

Sign and symptoms ingestion

: None expected, when used as intended.

Sign and symptoms skin

: None expected, when used as intended.

Sign and symptoms eyes

: None expected, when used as intended. Direct eye contact may cause irritation. Symptoms may include stinging, tearing, redness and swelling.

Potential Chronic Health Effects

: None expected, when used as intended.

Mutagenicity

: Not expected to be mutagenic.

Carcinogenicity

: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive or developmental effects.

Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

Specific target organ effects : None expected, when used as intended.

Medical conditions aggravated by overexposure

: None reported by the manufacturer.

Synergistic materials

: None reported by the manufacturer.

Toxicological data

: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Ethanol	> 32 380 ppm (61 mg/L) (vapour)	7060 mg/kg	> 15 800 mg/kg
Mineral Oil	> 5 mg/L (mist) (No mortality)	> 5000 mg/kg	> 2000 mg/kg

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: The product is not classified as environmentally hazardous. Avoid release to the environment.

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Ecotoxicity data:

<u>Ingredients</u>	CAS #	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Ethanol	64-17-5	> 100 mg/L (Fathead minnow)	N/Av	None.
Mineral Oil	8042-47-5	> 1000 mg/L (Rainbow trout)	> 1000 mg/L/28-day	None.

<u>Ingredients</u>	CAS #	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Ethanol	64-17-5	5012 mg/L (Daphnia magna)	N/Av	None.
Mineral Oil	8042-47-5	> 100 mg/L (Daphnia magna)	> 10 mg/L (Read-across)	None.

<u>Ingredients</u>	CAS #	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Ethanol	64-17-5	1000 mg/L/96hr (Green algae)	N/Av	None.
Mineral Oil	8042-47-5	N/Av	> 100 mg/L/72hr (NOEL) (Green algae)	None.

Persistence and degradability

: Not available.

Bioaccumulation potential

: Not available.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Ethanol (CAS 64-17-5)	- 0.31	N/Av

Mobility in soil : Not available.

Other Adverse Environmental effects

: None known or reported by the manufacturer.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : Dispose of in accordance with local regulations.

Methods of Disposal : Dispose of in accordance with local regulations.

RCRA : Not applicable.





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SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
49CFR/DOT Additional information	Not regulated for road or rail shipment if packaged in non-bulk containers (450 L / 119 Gallons or less each).				
TDG	None.	Not regulated.	not regulated	none	
TDG Additional information	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
ICAO/IATA Additional information	None.				
IMDG	None.	Not regulated.	not regulated	none	
IMDG Additional information	None.				

Special precautions for user : Appropriate advice on safety must accompany the package.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not established.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	de minimus Concentration
Ethanol	64-17-5	Yes	None.	None.	No	N/Ap
Mineral Oil	8042-47-5	Yes	None.	None.	No	N/Ap

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: Flammable; Eye irritation Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

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US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Ethanol	64-17-5	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Mineral Oil	8042-47-5	No	N/Ap	No	No	No	No	No	No

Canadian Information:

All components of this product are on the Canadian DSL list.
WHMIS Classification: See Section 2.

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Ethanol	64-17-5	200-578-6	Present	Present	(2)-202	KE-13217	Present	HSR001144
Mineral Oil	8042-47-5	232-455-8	Present	Present	(9)-1700	KE-35412	Present	May be used as a single component chemical under an appropriate group standard.

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Services
CEPA: Canadian Environmental Protection Act
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
EPA: Environmental Protection Agency
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
IMDG: International Maritime Dangerous Goods
LC: Lethal Concentration
LD: Lethal Dose
N/Ap: Not Applicable
N/Av: Not Available
NOEC: No observable effect concentration
NTP: National Toxicology Program
OECD: Organisation for Economic Co-operation and Development
OEL: National occupational exposure limits
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit

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TDG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values

TWA: Time Weighted Average

WEL: Workplace Exposure Limit

WHMIS: Workplace Hazardous Materials Identification System

References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices
- 2. ECHA - European Chemical Agency
- 3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases
- 4. Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists
- 6. California Proposition 65 List
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

Preparation Date (mm/dd/yyyy)

: 04/12/2018

Reviewed Date SDS (dd/mm/yyyy)

: 14/12/2021

Revision No.

: 2

Revision Information

: (M)SDS sections updated:2. HAZARDS IDENTIFICATION;4. FIRST AID MEASURES;
11. TOXICOLOGICAL INFORMATION;15. REGULATORY INFORMATION

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared for:

Safetec of America Inc.
887 Kensington Avenue
Buffalo, NY 14215
Telephone: 1-716-895-1822

www.safetec.com

DISCLAIMER

Safetec of America Inc. expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this Safety Data Sheet does not apply to use with any other product or in any other process. This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Safetec of America Inc.

END OF DOCUMENT

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.

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

.

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 Know):
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



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 ₃ BO ₃)	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 MEASURESFirst 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

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 ₃ BO ₃) 10043-35-3	TWA: 2 mg/m ³ inhalable fraction STEL: 6 mg/m ³ inhalable fraction	-	
Sodium borate 1330-43-4	STEL: 6 mg/m ³ inhalable fraction TWA: 2 mg/m ³ inhalable fraction	(vacated) TWA: 10 mg/m ³	TWA: 1 mg/m ³

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

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 PROPERTIESPhysical 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 REACTIVITYReactivity

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 INFORMATIONInformation 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 (H3BO3) 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 (H3BO3) 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 (H3BO3) 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 ³

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

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.

Ingestion	Clean mouth with water and drink afterwards plenty of water.
Self-protection of the first aider	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

Symptoms	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

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

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol resistant foam.
Unsuitable extinguishing media	CAUTION: Use of water spray when fighting fire may be inefficient.
Specific hazards arising from the chemical	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.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	Yes.
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	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.
Other information	Ventilate the area.

Methods and material for containment and cleaning up

Methods for containment	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.
Methods for cleaning up	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		Ontario		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

Inhalation	Specific test data for the substance or mixture is not available. Vapors may be irritating to eyes, nose, throat, and lungs.
Eye contact	Specific test data for the substance or mixture is not available. May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. May cause irritation.
Ingestion	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

Symptoms	May cause redness and tearing of the eyes. May cause skin irritation in susceptible persons.
-----------------	--

Acute toxicity**Numerical measures of toxicity**

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

ATEmix (oral)	10,844.90 mg/kg
ATEmix (inhalation-dust/mist)	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

Skin corrosion/irritation	May cause mild to moderate irritation.
Serious eye damage/eye irritation	May cause mild to moderate irritation.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	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

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

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



茂康医疗
MAO KANG MEDICAL

Safety Data Sheet

Povidone-Iodine Prep Pads

Section 1. Identification

Product Identifier Povidone-Iodine Prep Pads

Synonyms N/A

Manufacturer Stock
Numbers

Recommended use N/A

Uses advised against N/A

Manufacturer Contact Changzhou Maokang Medical Products Co., Ltd

Address No.88 of Longxi
Avenue, Zhulin
Town, Jintan District,

Phone

(0519) 80186508

Emergency Phone

(0519) 80186508

Fax

0519) 82442788

Website

www.maokangmedical.com

Section 2. Hazards Identification

Classification ACUTE TOXICITY - INHALATION - Category 5

ACUTE TOXICITY - ORAL - Category 5

EYE DAMAGE/IRRITATION - Category 2B

Signal Word Warning

Pictogram



Hazard Statements

Causes eye irritation
May be harmful if inhaled
May be harmful if swallowed

Precautionary Statements Response

Call a poison center/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Call a POISON CENTER or doctor if you feel unwell

Prevention

Wash affected area thoroughly after handling.

Storage

N/A

Disposal

N/A

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

N.A.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
25655-41-8	Povidone iodine	9.43 %
7558-79-4	Disodium phosphate	3.16 %
77-92-9	Tannic acid(citric acid)	1.74 %

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

Section 4. First-Aid Measures

General Advice:

Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye Contact:

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses, if worn. If irritation persists, seek medical attention.

Skin Contact:

If irritation develops wash area with water. Get medical attention if irritation persists.

Inhalation:

Remove victim to fresh air. Seek medical attention if discomfort continues.

Ingestion:

If swallowed, call a physician immediately. Rinse mouth and throat thoroughly with water. Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media N.D.

Unsuitable Extinguishing Media N.D.

Special Fire Fighting Procedures: None known

Unusual Fire and Explosive Hazards: May emit toxic fumes of iodine in a fire or if heated

Section 6. Accidental Release Measures

Non-hazardous Small Spill: Should be cleaned up at the time of the spill. Take all necessary precautions and wear any personal protective equipment that is applicable. Dispose of per local and state regulations.

Non-hazardous Large Spill: Should be cleaned up at the time of the spill. May require special treatment, equipment and/or emergency assistance. Dispose of per local and state regulations.

Section 7. Handling and Storage

Handling Non-hazardous: 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.

Storage Non-hazardous: Store in original package. Discard unused portion. Do not reuse. No special storage conditions required.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Povidone iodine	TWA: 0.01 ppm (Inhalable fraction and vapor) STEL: 0.1 ppm (Aerosol and vapor)	(Ceiling) 0.1 ppm	IDLH: 2 ppm
	Disodium phosphate	N/A	N/A	N/A
	Tannic acid(citric acid)	N/A	N/A	N/A

Personal Protective Equipment Gloves

Engineering Controls: Ventilation: Avoid breathing mist. If ventilation is inadequate, use a NIOSH/MSHA certified respirator that will protect against dust/mist.

Respiratory Protection: If vapor or mists are generated, wear a NIOSH/MSHA certified respirator that will protect against dust/mist. anic vapor/mist respirator.

Skin Protection: Protective Gloves: Gloves

Eye Protection: Wear chemical safety goggles while handling this product. Do not wear contact lenses. Wear additional eye protection such as face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.

Other protective equipment: Rubber apron

Work/hygienic practices: Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Fabric or applicator saturated with dark reddish/brown liquid
Odor	Faint iodine odor
Odor Threshold	N.D.
Solubility	Soluble
Partition coefficient Water/n-octanol	N.D.
VOC%	N/A
Viscosity	N.D.
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N.D.
FP Method	N.D.
pH	N.D.
Melting Point	N.D.
Boiling Point	N.D.
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	N.D.
Vapor Density	N.D.

Section 10. Stability and Reactivity

Stability: Stable.
Reactivity: None
Conditions to avoid: None known.
Incompatibility (Materials to Avoid): Reducing agents. Alkalies.
Hazardous Decomposition or Byproducts: Emits iodine vapors at high temperatures
Hazardous Polymerization: N.D.

Section 11. Toxicological Information

Acute Toxicity: Eye Contact Contact may cause temporary moderate irritation.
Acute Toxicity: Skin Contact May cause mild irritation on patients with sensitive skin.
Acute Toxicity: Ingestion May be harmful if swallowed
Acute Toxicity: Inhalation Vapour may irritate mucous membranes and respiratory tract

Section 12. Ecological Information

Toxicity: N.D.
Persistence and degradability: N.D.
Bioaccumulative potential: N.D.
Mobility in soil: N.D.
Other adverse effects: N.D.

Section 13. Disposal

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

UN Number N/A
UN Proper Shipping Name Not Regulated
DOT Classification Not Regulated
Packing Group 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.
Massachusetts Right to Know Components:	IODINE.
New Jersey Right to Know Components:	IODINE.
Pennsylvania Right to Know Components:	IODINE.
Rhode Island Right to Know Components:	Iodine.

Section 16. Other Information

Revision Date	03/03/2025
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Legend	N.A. - Not Applicable
	N.E. - Not Established
	N.D. - Not Determined

HMIS (U.S.A.): Health Hazard	1
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HMIS (U.S.A.): Flammability	0
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HMIS (U.S.A.): Physical Hazard	0
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HMIS (U.S.A.): Personal Protection	X
------------------------------------	---

National Fire Protection Association (U.S.A): Health Hazard	1
---	---

National Fire Protection Association (U.S.A): Fire Hazard	0
---	---

National Fire Protection Association (U.S.A): Instability Hazard	0
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National Fire Protection Association (U.S.A): Special Hazard	0
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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.
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茂康医疗
MAO KANG MEDICAL

Safety Data Sheet

Povidone-Iodine Prep Pads

Section 1. Identification

Product Identifier Povidone-Iodine Prep Pads

Synonyms N/A

Manufacturer Stock
Numbers

Recommended use N/A

Uses advised against N/A

Manufacturer Contact Changzhou Maokang Medical Products Co., Ltd

Address No.88 of Longxi
Avenue, Zhulin
Town, Jintan District,

Phone

(0519) 80186508

Emergency Phone

(0519) 80186508

Fax

0519) 82442788

Website

www.maokangmedical.com

Section 2. Hazards Identification

Classification ACUTE TOXICITY - INHALATION - Category 5

ACUTE TOXICITY - ORAL - Category 5

EYE DAMAGE/IRRITATION - Category 2B

Signal Word Warning

Pictogram



Hazard Statements

Causes eye irritation
May be harmful if inhaled
May be harmful if swallowed

Precautionary Statements Response

Call a poison center/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Call a POISON CENTER or doctor if you feel unwell

Prevention

Wash affected area thoroughly after handling.

Storage

N/A

Disposal

N/A

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

N.A.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
25655-41-8	Povidone iodine	9.43 %
7558-79-4	Disodium phosphate	3.16 %
77-92-9	Tannic acid(citric acid)	1.74 %

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

Section 4. First-Aid Measures

General Advice:

Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye Contact:

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses, if worn. If irritation persists, seek medical attention.

Skin Contact:

If irritation develops wash area with water. Get medical attention if irritation persists.

Inhalation:

Remove victim to fresh air. Seek medical attention if discomfort continues.

Ingestion:

If swallowed, call a physician immediately. Rinse mouth and throat thoroughly with water. Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media N.D.

Unsuitable Extinguishing Media N.D.

Special Fire Fighting Procedures: None known

Unusual Fire and Explosive Hazards: May emit toxic fumes of iodine in a fire or if heated

Section 6. Accidental Release Measures

Non-hazardous Small Spill: Should be cleaned up at the time of the spill. Take all necessary precautions and wear any personal protective equipment that is applicable. Dispose of per local and state regulations.

Non-hazardous Large Spill: Should be cleaned up at the time of the spill. May require special treatment, equipment and/or emergency assistance. Dispose of per local and state regulations.

Section 7. Handling and Storage

Handling Non-hazardous: 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.

Storage Non-hazardous: Store in original package. Discard unused portion. Do not reuse. No special storage conditions required.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Povidone iodine	TWA: 0.01 ppm (Inhalable fraction and vapor) STEL: 0.1 ppm (Aerosol and vapor)	(Ceiling) 0.1 ppm	IDLH: 2 ppm
	Disodium phosphate	N/A	N/A	N/A
	Tannic acid(citric acid)	N/A	N/A	N/A

Personal Protective Equipment Gloves

Engineering Controls: Ventilation: Avoid breathing mist. If ventilation is inadequate, use a NIOSH/MSHA certified respirator that will protect against dust/mist.

Respiratory Protection: If vapor or mists are generated, wear a NIOSH/MSHA certified respirator that will protect against dust/mist. anic vapor/mist respirator.

Skin Protection: Protective Gloves: Gloves

Eye Protection: Wear chemical safety goggles while handling this product. Do not wear contact lenses. Wear additional eye protection such as face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.

Other protective equipment: Rubber apron

Work/hygienic practices: Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Fabric or applicator saturated with dark reddish/brown liquid
Odor	Faint iodine odor
Odor Threshold	N.D.
Solubility	Soluble
Partition coefficient Water/n-octanol	N.D.
VOC%	N/A
Viscosity	N.D.
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N.D.
FP Method	N.D.
pH	N.D.
Melting Point	N.D.
Boiling Point	N.D.
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	N.D.
Vapor Density	N.D.

Section 10. Stability and Reactivity

Stability: Stable.
Reactivity: None
Conditions to avoid: None known.
Incompatibility (Materials to Avoid): Reducing agents. Alkalies.
Hazardous Decomposition or Byproducts: Emits iodine vapors at high temperatures
Hazardous Polymerization: N.D.

Section 11. Toxicological Information

Acute Toxicity: Eye Contact Contact may cause temporary moderate irritation.
Acute Toxicity: Skin Contact May cause mild irritation on patients with sensitive skin.
Acute Toxicity: Ingestion May be harmful if swallowed
Acute Toxicity: Inhalation Vapour may irritate mucous membranes and respiratory tract

Section 12. Ecological Information

Toxicity: N.D.
Persistence and degradability: N.D.
Bioaccumulative potential: N.D.
Mobility in soil: N.D.
Other adverse effects: N.D.

Section 13. Disposal

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

UN Number N/A
UN Proper Shipping Name Not Regulated
DOT Classification Not Regulated
Packing Group 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.
Massachusetts Right to Know Components:	IODINE.
New Jersey Right to Know Components:	IODINE.
Pennsylvania Right to Know Components:	IODINE.
Rhode Island Right to Know Components:	Iodine.

Section 16. Other Information

Revision Date	03/03/2025
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Legend	N.A. - Not Applicable
	N.E. - Not Established
	N.D. - Not Determined

HMIS (U.S.A.): Health Hazard	1
------------------------------	---

HMIS (U.S.A.): Flammability	0
-----------------------------	---

HMIS (U.S.A.): Physical Hazard	0
--------------------------------	---

HMIS (U.S.A.): Personal Protection	X
------------------------------------	---

National Fire Protection Association (U.S.A): Health Hazard	1
---	---

National Fire Protection Association (U.S.A): Fire Hazard	0
---	---

National Fire Protection Association (U.S.A): Instability Hazard	0
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National Fire Protection Association (U.S.A): Special Hazard	0
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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.
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1. Section 1: Product and company identification

Product name:	Cavidagel® Family Cavidagel® Sterile hydrogel wound filler with Alginate and Cavidagel® Burn Dressing
Product use:	<p>1. <u>Cavidagel® Sterile Hydrogel:</u></p> <ul style="list-style-type: none"> • Cavidagel® gel is primarily intended for the treatment of necrotic and sloughy wounds, e.g. leg ulcers, pressure ulcers and non-infected diabetic foot ulcers. • Cavidagel® may also be used on First and second degree burns. • The gel may be used throughout the healing process to provide a moist wound healing environment in all types of wounds. <p>2. <u>Cavidagel® Burn Dressings:</u></p> <ul style="list-style-type: none"> • First and second degree burns and scalds. • Minimizes trauma and skin damage. • Assist moist wound healing, moistens, cools and soothes.
Manufacturer:	PHARMAPLAST S.A.E.
Address:	AMRIA FREE ZONE 23512, ALEXANDRIA, EGYPT
Tel:	002034500264
Fax:	002034500263
Website:	www.pharmaplast-online.com

2. Section 2: Composition/ingredients

Ingredient	CAS No.	% by weight
Crosscarmellose sodium	Unknown	0.5-5%
Distilled water	Unknown	50-90%
propylene glycol	Unknown	5-20%
Carbomer	Unknown	0.5-5%
Neutralizer	Unknown	0.1-3%
Calcium alginate	Unknown	0.1 -5%

3. Section 3: Possible hazards:

3.1 Emergency overview

Color: Transparent

Odor: no characteristic odor

General physical form: Amorphous thick gel, in case of cavidagel burn dressings it is provided as a dressing impregnated in the amorphous gel.

Immediate health, physical and environmental hazards: this product, when used under reasonable condition and in accordance with Pharmaplast 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 a potential health and safety hazards.

3.2 Potential health effects.

Eye contact:

Mild eye irritation: Signs may include redness, pain, and tearing

Skin contact:

If skin irritation develops, or other symptoms occur, discontinue use. Wash skin thoroughly with soap and water. Seek medical attention if symptoms persist

Inhalation:

No health effects are expected

Ingestion:

Gastrointestinal irritation: Signs may include abdominal pain, nausea, diarrhea and vomiting

4. **Section 4: First aid measures**

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed:

Eye contact: Flush eyes with large amounts of water, if signs persist, get medical attention
Skin contact: wash affected area with soap and water, if signs develop get medical attention

Inhalation: No need for first aid is anticipated

IF Swallowed : do not induce vomiting ,give victim two glasses of water .never give anything by mouth to an unconscious person, get immediate medical attention

5. **Section 5: Firefighting measures**

Suitable extinguishing media:	Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (water, foam..) , use fire extinguishers with class B extinguishing agents (dry chemical, carbon dioxide..)
Exposure hazards:	N/A

Protective equipment for fire-fighters:	Special fire fighting procedures: wear full protective equipments (bunker gear) and a self –contained breathing apparatus (SCBA).
Further information:	N/A

6. Section 6: Accidental release measures

Accidental release measures: N/A

7. Section 7: Handling and storage

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.
Protection against fire and explosion :	This product is considered to be an article which does not result in fire or explosion when used under normal conditions.
Storage :	N/A

8. Section 8: Exposure controls/personal protection

1. Engineering controls: N/A
2. Personal protective equipment:
 - 2.1. Eye/face protection: N/A
 - 2.2. Skin protection: N/A
 - 2.3 Respiratory protection: N/A
 - 2.4 Prevention of swallowing: N/A

9. 9: Physical and Chemical properties

Color :	Transparent
General physical form:	Amorphous thick gel
Odor:	no characteristic odor
Autoignition Temp:	N/A
Flash point:	N/A
Flammable limits-LEL:	N/A
Flammable Limits- UEL:	N/A
Boiling Point:	N/A
Vapor Density:	N/A
Specific gravity:	N/A

PH:	7±1
Solubility in water:	Soluble
Evaporation rate:	N/A
Volatile organic compounds:	N/A
Percent volatile:	N/A
Viscosity:	N/A

10. Section 10: Stability and reactivity

Conditions to avoid:	None Known
Hazardous decomposition products:	N/A
Additional information :	N/A

11. Section 11: Toxicological information

Intracutaneous reactions: the product did not cause an Intracutaneous reaction under the test conditions.

Cytotoxicity Test: the product caused no toxicological/biological critical cell damages and growth inhibition (non-cytotoxic)

The product meets the requirements of DIN-ISO 10993

For any more information contact Pharmaplast

12. Section 12: Ecological information

Ecotoxicological information: N/A

Chemical Fate information: N/A

13. Section 13: Disposal considerations

Waste disposal method:

Dispose of in accordance with all applicable local and national regulations

14. Section 14: Transport information

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment.

U.S. DOT Hazard Class:

Not regulated as hazardous

UN Number:

Not regulated as hazardous

15. Section 15: Regulatory information

International regulations: Contact Pharmaplast for more information

16. Section 16: Other information

Disclaimer: The information contained herein is based on the present state of knowledge and does not therefore guarantee certain properties. The technical safety information sheet only describes the products in aspect to their safety requirements.

Recipients of our products must take on responsibility for observing existing laws and regulations.