Safety Data Sheet (SDS)

SAFETY DATA SHEETS
For
Instant cold pack

Samples Name: Instant cold pack

Client Name: Rapid Aid Corp.
Client Address: 4120A Sladeview Crescent, Mississauga Ontario, Canada L5L 5Z3

HUANG Qinglai, Owen
For and on behalf of
STC(Shanghai) Company Limited

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Safety Data Sheet(SDS)

Complies with 91/155/EEC, 1907/2006 (REACH) and amendments, OSHA's Hazard Communication Standard, 29 CFR 1910.1200; and the requirements of the U.S. Department of Labor Occupational Safety & Health Administration.

Regulatory Status:
This preparation is not classified as dangerous according to U.S. OSHA 29 CFR 1910.1200; E.C. Directive 1999/45/EC; Canadian R.S. 1985, c. H-3; U.K. CHIP 2002 No. 1689; and/or U.N. GHS ST/SG/AC 10/30.
None of the components present in this preparation at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

SECTION 1: PRODUCT IDENTIFICATION

1.1 Product identifier:
Instant cold pack
1.2 Recommended use and restrictions on use:
Recommended use:
Cold application for cold therapy
1.3 Supplier's details:
Manufacturer：Rapid Aid Corp.
Address：4120A Sladeview Crescent, Mississauga Ontario, Canada L5L 5Z3
Telephone：905 820 4788

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:
The product is not classified as dangerous according to U.S. OSHA 29 CFR 1910.1200; E.C. Directive 1999/45/EC; Canadian R.S. 1985, c. H-3; U.K. CHIP 2002 No. 1689; and/or U.N. GHS ST/SG/AC 10/30.
GHS LABEL ELEMENTS: The substance is classified and labeled according to the Globally Harmonized System (GHS).
HAZARD PICTOGRAMS & SIGNAL WORD
This product is not a hazardous article and need not be labelled
HAZARD-DETERMINING COMPONENTS OF LABELING:
None
HAZARD STATEMENTS:
None
PRECAUTIONARY STATEMENTS:
Prevention
None
Response
None
Storage
None
Disposal
None.

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CLASSIFICATION SYSTEM: NFPA DEFINITIONS: 0-LEAST, 1-SLIGHT, 2-MODERATE, 3-HIGH, 4-EXTREEM

NFPA RATING DIAMOND (SCALE 0-4):

HEALTH=**2**
FIRE=**0**
REACTIVITY=**0**

HMIS-RATINGS (SCALE 0-4):

HEALTH : 2
FIRE : 0
REACTIVITY: 0

SECTION 3: COMPOSITION INFORMATION

COMPOSITION: *Mixture consisting of the following components*

IUPAC	Concentration (weight percent, %)	MOLECULAR FORMULA	IDENTIFIERS
Water	40-60	H_2O	CAS: 7732-18-5
Urea	40-60	CH_4N_2O	CAS: 57-13-6

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL INFORMATION: If medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

PRIMARY TOUTES OF ENTRY: Eye and skin contact; ingestion; inhalation.

AFTER INHALATION: Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance.

AFTER SKIN CONTACT: Take off contaminated clothing and shoes. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

AFTER EYE CONTACT: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

AFTER SWALLOWING: Rinse mouth with plenty of water , Make victim drink plenty of water. Do not induce vomiting.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

No information available

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SECTION 5: FIRE & EXPLOSION HAZARD DATA

GENERAL INFORMATION: Non flammable liquid

FLASH POINT: No information available

AUTOIGNITION TEMPERATURE: No information available

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, alcohol-resistant foam

SPECIAL FIRE FIGHTING PROCEDURES:NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustion of vapor and liquid may produce carbon monoxide, carbon dioxide and other hazardous gases.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, nitrogen oxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

1、Remove all sources of ignition. Ensure adequate ventilation. Take precautionary measures against static discharges.
2、Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid breathing vapors and contacting with skin and eyes.
3、Wear protective clothing, gloves, safety glasses and dust respirator.

SPILL AND LEAK PROCEDURES:
1、Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.
2、Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
3、Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

ENVIRONMENTAL PRECAUTIONS:
1、Prevent further leakage or spillage if safe to do so.
2、Do not let product enter drains.

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SECTION 7: HANDLING & STORAGE

PRECAUTIONS FOR SAFE HANDLING & STORAGE:

Protective measures
Handling is performed in a well ventilated place.
Wear suitable protective equipment.
Avoid contact with skin and eyes. Avoid inhalation of vapors or mist.
Measures to prevent fire
Keep away from heat/sparks/open flames/ hot surfaces.
Take precautionary measures against static discharges.
Measures to prevent aerosol and dust generation
Not applicable
OTHER PRECAUTIONS:
Wash hands and face after using of the substances
Replace the contaminated clothing immediately.
In addition to use mentioned in the first parts , unforeseen other specific end uses

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use appropriative respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Recommended Filter type: low boiling organic solvent, Type AX, Brown, conforming to EN371.

EYE PROTECTION: Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).

SKIN PROTECTION: Wear protective clothing.

ENGINEERING CONTROLS: Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

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SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

pH:	Not applicable
Boiling Point:	No information available
Freezing Point:	No information available
Specific Gravity (H_20 = 1):	No information available
Vapor Pressure (mm Hg):	No information available
Vapor Density (AIR = 1):	No information available
Evaporation Rate (Butyl Acetate = 1):	No information available
Solubility in Water:	Soluble in water
Appearance and Odor:	Granules and liquid

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under proper operation and storage conditions

CONDITIONS TO AVOID: Melts and decomposes when strongly heated

INCOMPATIBILITY (MATERIAL TO AVOID): Strong base , Strong acid

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon monoxide, nitrogen oxide

HAZARDOUS POLYMERIZATION: No polymerization

SECTION 11: TOXICOLOGICAL INFORMATION

PRECAUTIONARY STATEMENTS: If medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

POTENTIAL HEALTH EFFECTS:

INHALATION	No information available.
EYE	No information available.
SKIN	No information available.
INGESTION	No information available.
TARGET ORGANS	No information available.

PRIMARY ROUTES OF EXPOSURE Percutaneous、Inhalation

POTENTIAL EFFECTS OF CHRONIC EXPOSURE No information available.

IRRITATION/SENSITIZATION Based on available data, the classification criteria are not met.

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TERATOGENICITY	Based on available data, the classification criteria are not met.
MUTAGENICITY	Based on available data, the classification criteria are not met.
REPRODUCTIVE TOXICITY	Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: No information available.

BIODEGRADABILITY:	No information available.
BIOACCUMULATION:	No information available.
MOBILITY:	No information available.
OTHER ADVERSE EFFECTS:	Urea does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Before disposal should refer to the relevant national and local laws and regulation.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER
DOT, ADR, IMDG, IATA: Not applicable
UN PROPER SHIPPING NAME
DOT: Not applicable
ADR: Not applicable
IMDG, IATA: Not applicable

TRANSPORT HAZARD CLASS(ES)
The product is not classified as dangerous according to DOT、ADR、IMDG、IATA
HAZARD LABEL: Not applicable
DOT CLASS： Not applicable
LABEL：Not applicable
ADR CLASS： Not applicable
LABEL：Not applicable
IMDG, IATA CLASS：Not applicable
LABEL：Not applicable
PACKING GROUP: Not applicable
PACKING INSTRUCTION: Not applicable
SPECIAL PROVISIONS: Not applicable
IMDG LIMITED QUANTITY (LQ): Not applicable

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EXCEPTED QUANTITIES (EQ): Not applicable
UN MODEL REGULATION:TDG（18th）
ORM-D: Not applicable

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT): Not listed
CERCLA/SARA - HAZARDOUS SUBSTANCES AND THEIR REPORTABLE QUANTITIES: Not listed
302 EXTREMELY HAZARDOUS SUBSTANCES EPCRA RQS: Not listed
302EXTREMELY HAZARDOUS SUBSTANCES TPQS: Not listed
CERCLA/SARA - 313 - EMISSION REPORTING: Not listed

US STATE REGULATIONS:

CALIFORNIA - 8 CCR SECTION 339 - DIRECTOR'S LIST OF HAZARDOUS SUBSTANCES: Not listed

INTERNATIONAL REGULATIONS:

WATER HAZARD CLASS (GERMANY): Not listed

CANADA
DOMESTIC SUBSTANCES LIST (DSL): Not listed
WHMIS - INGREDIENT DISCLOSURE LIST: Not listed

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SECTION 16: OTHER INFORMATION

Date of Preparation/Last Revision: 3/29/18

FURTHER INFORMATION: This SDS has been prepared in accordance with: 91/155/EEC, 1907/2006 (REACH) and amendments, OSHA's Hazard Communication Standard, 29 CFR 1910.1200; and the requirements of the U.S. Department of Labor Occupational Safety & Health Administration.

DISCLAIMER: The information provided in this Data Safety Sheet has been compiled, in good faith, from our experience and data presented in various technical publications. An SDS for a substance is not primarily intended for use by the general consumer, focusing instead on the hazards of working with the material in an occupational setting. It is believed to be accurate and represents the best information currently available. HOWEVER, STC(Shanghai) Company Limited MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER TYPE, EXPRESSED OR IMPLIED, WITH RESPECT TO PRODUCTS DESCRIBED OR DATA OR INFORMATION PROVIDED, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OF SUCH PRODUCTS, DATA OR INFORMATION. Users should make their own investigations to determine the suitability of the information for their particular purposes, and the user assumes all risk arising from their use of the material. The user is required to comply with all laws and regulations relating to the purchase, use, storage and disposal of the material, and must be familiar with and follow generally accepted safe handling procedures. In no event shall STC(Shanghai) Company Limited be liable for any claims, losses, or damages of any individual or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if STC(Shanghai) Company Limited has been advised of the possibility of such damages. We reserve the right to update SDS sheets from time to time as new information becomes available. It is the responsibility of the user to verify that they have the latest revision available.

********** **End of Test Report** **********

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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).**

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 (H3BO3)	10043-35-3	1 - 5	*
Sodium borate	1330-43-4	0.1 - 1	*

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

4. FIRST AID MEASURES

First aid measures

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

Skin contact — None

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.

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 (H3BO3) 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

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 PROPERTIES

Physical and Chemical Properties

Physical state	Liquid		
Appearance	Clear, colorless. No visual impurities	**Odor**	Odorless
Color	No information available	**Odor Threshold**	No information available

Property	Values	Remarks Method
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

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

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability
Stable under recommended storage conditions.
Possibility of Hazardous Reactions
None under normal processing.
Hazardous Polymerization
Hazardous polymerization does not occur.

Conditions to avoid
None known based on information supplied.
Incompatible materials
None known based on information supplied.
Hazardous Decomposition Products
None known

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product 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

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

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

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

14. TRANSPORT INFORMATION

DOT	NOT REGULATED
Proper Shipping Name	NON REGULATED
Hazard Class	N/A
TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
IATA	Not regulated
Proper Shipping Name	NON REGULATED
Hazard Class	N/A
IMDG/IMO	Not regulated
Hazard Class	N/A
RID	Not regulated
ADR	Not regulated
ADN	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

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 Regulations

California 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

	905-690-6277
Revision Date	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 04-Dec-2019 **Revision Date** 04-Dec-2019 **Revision Number** 1

1. Identification

Product identifier

Product Name Burn Jel

Other means of identification

Product Code(s) BJ.00.121

Synonyms Burn Jel External Analgesic

Recommended use of the chemical and restrictions on use

Recommended use For the temporary relief of pain associated with minor burns.

Restrictions on use For external use only.

Details of the supplier of the safety data sheet

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

Emergency telephone number

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

2. Hazard(s) identification

Classification

Label elements

Hazard statements
Not classified.

Other information
No information available.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Synonyms Burn Jel External Analgesic

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Triethanolamine	102-71-6	1-5	-	-
Glycerin	56-81-5	0.5-1.5	-	-

*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 temporary eye irritation.

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 .

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Triethanolamine 102-71-6	TWA: 5 mg/m³	-	-
Glycerin 56-81-5	-	TWA: 15 mg/m³ mist, total particulate TWA: 5 mg/m³ mist, respirable fraction (vacated) TWA: 10 mg/m³ mist, total particulate (vacated) TWA: 5 mg/m³ mist, respirable fraction	-

Chemical name	Alberta	British Columbia	Ontario	Quebec
Triethanolamine 102-71-6	TWA: 5 mg/m³	TWA: 5 mg/m³	TWA: 0.5 ppm TWA: 3.1 mg/m³	TWA: 5 mg/m³
Glycerin 56-81-5	TWA: 10 mg/m³	TWA: 10 mg/m³ TWA: 3 mg/m³		TWA: 10 mg/m³

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	Opaque White to off-white Gel
Physical state	Liquid
Color	Opaque White to off-white
Odor	Distinct
Odor threshold	No information available

Property	**Values**	**Remarks • Method**
pH	6.5 - 7.7	
Melting point / freezing point	No data available	None known
Boiling point / boiling range	100 °C / 212 °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	0.997	@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	65,000-90,000 cP	Spindle #4 (64), 6 RPM
	35,000-60,000 cP	Spindle #4 (64), 12 RPM

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 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.

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.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause temporary eye irritation.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (oral) 99,480.10 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Triethanolamine	= 4190 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	
Glycerin	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m³ (Rat) 1 h

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

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

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

Chemical name	ACGIH	IARC	NTP	OSHA
Triethanolamine 102-71-6	-	Group 3	-	-

Legend

IARC (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

12. Ecological information

Ecotoxicity .

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Triethanolamine 102-71-6	EC50: =216mg/L (72h, Desmodesmus subspicatus) EC50: =169mg/L (96h, Desmodesmus subspicatus)	LC50: 10600 - 13000mg/L (96h, Pimephales promelas) LC50: 450 - 1000mg/L (96h, Lepomis macrochirus) LC50: >1000mg/L (96h, Pimephales promelas)	-	-
Glycerin 56-81-5	-	LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)	-	-

Persistence and degradability No information available.

Bioaccumulation No information available.

Component Information

Chemical name	Partition coefficient
Triethanolamine 102-71-6	-2.53
Glycerin 56-81-5	-1.76

Mobility in soil No information available.

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

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

Contaminated packaging Do not reuse empty containers.

14. Transport information

DOT Not regulated

TDG Not regulated

MEX Not regulated

IATA Not regulated

IMDG 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.

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
This product contains the following Proposition 65 chemicals:.

Chemical name	California Proposition 65
Diethanolamine - 111-42-2	Carcinogen

U.S. State Right-to-Know Regulations

US State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Triethanolamine 102-71-6	X	X	X
Glycerin 56-81-5	X	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
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 04-Dec-2019

Revision Date 04-Dec-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

NO.2617100003

中国认可
检验
INSPECTION
CNAS IB0071

SAFETY DATA SHEET

Product Name: STERILE ALCOHOL PREP PAD

Revision Date: 2017-10-31

Compiler: Liu Linlin

Checker: Dongxuesheng

Approver: Zhangxiaojin

Shanghai Research Institute of Chemical Industry Testing Centre

Taizhou Kangping MEDICAL SCIENCE AND Technology Co.,Ltd.

SAFETY DATA SHEET

STERILE ALCOHOL PREP PAD

SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name:	STERILE ALCOHOL PREP PAD
Company:	Taizhou Kangping MEDICAL SCIENCE AND Technology Co.,Ltd.
Address:	Building 3, No.27, Tai'an Road, Hailing Industrial park, Taizhou, Jiangsu, 225300, P.R.CHINA
Email:	1009347087@qq.com
Fax:	0086-523-86227168
Emergency Phone:	0086-523-86299168
SDS Number:	2617100003
SDS Date:	2017-10-31

SECTION2 HAZARDS IDENTIFICATION

Hazards Identification:

The liquid contained in nonwoven:
Classification according to GHS:
Flammable liquid (Category 2)
Skin corrosion/irritation (Category 3)
Eye damage/Eye irritation (Category 2A)
Reproductive toxicity (Category 2)
Specific target organ toxicity - Single exposure (Category 1) (central nervous system, general toxicity)
Specific target organ toxicity - Single exposure (Category 3)
Specific target organ toxicity - Repeated exposure (Category 1) (blood system)
Specific target organ toxicity - Repeated exposure (Category 2) (respiratory organs, liver, spleen)
The hazards not mentioned are not applicable or no data available.

Emergency Overview:

The liquid contained in nonwoven:
Highly flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Causes damage to organs: central nervous system, general toxicity. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure: blood system. May cause damage to organs through prolonged or repeated exposure: respiratory organs, liver, spleen.

SECTION3 INFORMATION ON INGREDIENTS

Product name: STERILE ALCOHOL PREP PAD

Ingredient	Concentration	CAS No.	EC No.
The liquid contained in nonwoven			
Isopropyl alcohol	70%	67-63-0	200-661-7
Purified water	30%	7732-18-5	231-791-2

SECTION4 FIRST-AID MEASURES

Skin Exposure:

In case of contact, wash skin with soap and copious amounts of water. If irritation persists, call a physician.

Eye Exposure:

In case of contact with eyes, immediately flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.

Inhalation Exposure:

If inhaled, immediately remove to fresh air. If necessary, get medical attention.

Oral Exposure:

If swallowed, immediately wash out mouth with water provided person is conscious. Call a physician.

SECTION5 FIRE FIGHTING MEASURES

Extinguishing Media:

Suitable: Water spray, Dry chemical, Carbon dioxide or appropriate foam.

Firefighting:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward. Uninvolved persons should evacuate to a safe place. Keep containers cool by spraying with water.

SECTION6 ACCIDENTAL RELEASE MEASURES

Procedure of Personal Precaution:

Use personal protective equipment. Remove all sources of ignition. Avoid breathing vapors, mist or gas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to noninvolved personnel should be controlled around the leakage area by roping off.

Methods for Cleaning up:

Mix with inert material (e.g. dry sand, vermiculite) and transfer to a dry, clean, lidded container for disposal. Avoid inhalation. Ventilate area and wash spill site after material pickup is complete.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION7 HANDLING AND STORAGE

Handling:

Wear anti-electrostatic clothing and chemical safety gloves. Avoid inhalation of vapor or mist. Avoid contact with eyes and skin. Keep container tightly closed. Do not expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Electrostatic charges may be generated during pumping. Ensure electrical continuity by bonding all equipment. Keep away from heat, sparks and flame. Incompatibilities: Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids, combustible materials. Wash hands and face thoroughly after handling. No smoking at working site.

Storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, and flame. Keep away from sources of ignition. Incompatibilities: Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids, combustible materials.

SECTION8 EXPOSURE CONTROL/PPE

Exposure Limits:

Isopropyl alcohol: ACGIH TLV(TWA): 200 ppm
ACGIH TLV(STEL): 400 ppm

Engineering Controls:

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment:

Respiratory: Government approved respirator.
Eye: Chemical safety goggles.
Clothing: Wear anti-electrostatic clothing.
Hand: Compatible chemical-resistant gloves.

Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION9 PHYSICAL/CHEMICAL PROPERTIES

Appearance:	White wet nonwoven
Odor:	Weak penetrating odor
Physical and chemical properties of the liquid contained in the nonwoven:	
Initial Boiling Point/℃:	86.6℃
Flash Point (Closed Cup)/℃:	12℃
pH Value:	6.4-6.5(50g/L)
Solubility:	Miscible in water
Density/Relative Density:	0.8629g/ml
Viscosity:	6.1735mm^2/s (kinematic viscosity)

SECTION10 STABILITY AND REACTIVITY

Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Heat, flames and sparks. Extremes of temperature and direct sunlight.

Materials to Avoid:

Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Carbon oxides.

SECTION11 TOXICOLOGICAL INFORMATION

The liquid contained in nonwoven:

Acute toxicity:

Isopropyl alcohol: Rat Oral LD_{50}: 5045 mg/kg
Rat Inhalation LC_{50}: 16000 ppm/8H
Rabbit Dermal LD_{50}: 12800 mg/kg

Skin corrosion/irritation:

Causes mild skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Reproductive toxicity:

Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure:

Causes damage to organs: central nervous system, general toxicity.
May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure:

Causes damage to organs through prolonged or repeated exposure: blood system.
May cause damage to organs through prolonged or repeated exposure: respiratory tract, liver, spleen.

SECTION12 ECOLOGICAL INFORMATION

The liquid contained in nonwoven:

Toxicity:

Isopropyl alcohol: Toxicity to fish LC_{50} - Pimephales promelas (fathead minnow) - 9640.00 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates EC_{50} - Daphnia magna (Water flea) - 5102.00 mg/l - 24 h
Immobilization EC_{50} - Daphnia magna (Water flea) - 6.851 mg/l - 24 h
Toxicity to algae EC_{50} - Desmodesmus subspicatus (green algae) - > 2000.00 mg/l - 72 h
EC_{50} - Algae - > 1000.00 mg/l - 24 h

Persistence and degradability:

No data available.

Bioaccumulative potential:

No data available.

Mobility in soil:

No data available.

SECTION13 DISPOSAL CONSIDERATION

Appropriate Method of Disposal of Substance:

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

SECTION14 TRANSPORT INFORMATION

IATA: The product is not restricted to IATA DGR according to special provision A46, when small inner packagings consisting of sealed packets or articles containing less than 10mL of packing group Ⅱor Ⅲ flammable liquid absorbed into a solid material.

IMO: The product is not restricted to IMO IMDG according to special provision 216, when small inner packagings consisting of sealed packets or articles containing less than 10mL of packing group Ⅱor Ⅲ flammable liquid absorbed into a solid material.

SECTION15 REGULATORY INFORMATION

Regulation (EC) No. 1272/2008 and its amendments:

The liquid contained in nonwoven:
Flammable liquid (Category 2)
Eye damage/Eye irritation (Category 2)
Reproductive toxicity (Category 2)
Specific target organ toxicity - Single exposure (Category 1) (central nervous system, general toxicity)
Specific target organ toxicity - Single exposure (Category 3)
Specific target organ toxicity - Repeated exposure (Category 1) (blood system)
Specific target organ toxicity - Repeated exposure (Category 2) (respiratory organs, liver, spleen)

SECTION16 OTHER INFORMATION

Date:

2017-10-31

Department:

Shanghai Research Institute of Chemical Industry Testing Centre
Tel(Fax):8621-52815377/52800971/52807275/52811034/52569800

Revision:

0

Other Information:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.

SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product:	10% Povidone Iodine (PVP-I) Solution Prep Pad
Product Label Name:	Povidone Iodine Prep Pads
CAS:	(PVP-I) 25655-41-8
Relevant Product Use:	Topical Antiseptic
Company Name and Address:	Dukal Corporation 2 Fleetwood Court Ronkonkoma, NY 11779
Emergency Telephone Number:	631-656-3800
Contact Outside USA:	+1-800-243-0741 QA-RA-NY@dukal.com
Revision Date:	14-May-2018

SECTION 2: HAZARDOUS IDENTIFICATION

Hazard Class/Category:	Eye Irritation – 2A STOT SE – 3 Skin Irritation – 2
Hazard Symbol:	
Signal Word:	Warning
Hazard Statements:	Causes serious eye irritation. (H319) May cause respiratory irritation. (H335) Causes skin irritation. (H315)
Precautionary statements:	Avoid breathing vapors. (P261)
General:	Keep out of reach of children. (P102)
Eyes:	IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. (P305+P338) (P337+P313)
Respiratory:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

CENTER or doctor/physician if you feel unwell. (P304+P340) (P312)

Skin: IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/ attention. (P303+P352) (P332 + P313)

SECTION 3: INFORMATION ON INGREDIENTS

Component Name	CAS #	Concentration	EC #
Povidone Iodine	25655-41-8	10%	N/A (Pre-Registration: 918-309-2)

SECTION 4: FIRST-AID MEASURES

Emergency first aid procedures by route of exposure:

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If victim is conscious and alert, give 2-4 cups of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Skin: Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point: 93.9°C

Extinguishing Media: Use methods appropriate for the surrounding fire.

Products of Combustion: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Fire Fighting Equipment/Instructions: Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Provide ventilation. For large spills wear gloves, safety glasses, NIOSH approved respiratory protection if ventilation is not adequate.

Environmental Precautions: Prevent discharge to open waters.

Methods for Clean-Up: Clean up spills immediately, using the appropriate protective equipment. Avoid generating dusty
conditions.

SECTION 7: HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Keep the container tightly closed and in a cool, well ventilated place.

SECTION 8: EXPOSURE CONTROLS

Povidone Iodine (25655-41-8)

Engineering Controls: Normal room ventilation is usually adequate under normal use.

Personal Protective Equipment (PPE):

Eye/Face Protection: None needed under normal use. If exposed to unusual amount and splashing: Wear goggles, described by OSHA regulations in 29CFR 1910.133 or European Standard EN166.

Skin Protection: None needed under normal use -- Wear overalls or apron if splashing is possible.

Respiratory Protection: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

General Hygiene Considerations: Wear appropriate protective clothing to prevent skin exposure.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Non-woven saturated with 10% povidone iodine solution
Appearance: Yellowish-brown amorphous hygroscopic powder
Odor: Slight odor
PH: Not Available.
Vapor Pressure: 0.132mmHg at 25°C
Flammability Properties (see section 5)
Solubility (in water): Soluble
Specific Gravity @ 25°C: Not Available
Evaporation Rate: Not Available
Auto-ignition temperature: Not Available
Melting Point: 300°C

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable at normal ambient temperatures near 70°C (21°C)
Condition to Avoid: Not Available
Incompatible Materials: Ether, chloroform, acetone, ethylene oxide and carbon tetrachloride
Hazardous Decomposition: Not Available
Hazardous Reactions: Not Available

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:

A: General Product information
Povidone Iodine contains Iodine in a Povidone Carrier.

B: Acute Toxicity
Low order of acute toxicity is possible: The concentrations used clinically (0.1 to 20%) are toxic for granulocytes and monocytes. Povidone-iodine was cytotoxic to SH-SY5Y (neuronal) and RSC96 (Schwann) cells. Povidone-Iodine preparation was ototoxic in guinea pigs.
Rat LD50 oral: >2000 mg/kg
Rat LD50 dermal: Estimated based on R21 classification: 400 < LD50< 2000 mg/kg
Rat LC50 inhalation: Estimated based on R20 classification: 2 < LC50< 10 mg/L/4h

CHRONIC EFFECTS: Component
10% Povidone Iodine (25655-41-8) -- This product is not expected to cause long term adverse effects

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL MOBILITY

This product is water soluble and is expected to remain primarily in water.

ENVIRONMENTAL DEGRADABILITY
This product Oxides of nitrogen, irritating and toxic fumes and gases, iodine.
This substance is expected to be removed in a waste water treatment facility.

ECOTOXICITY AND BIOACCUMULATION
Low acute toxicity to aquatic organisms is expected.

SECTION 13: DISPOSAL CONSIDERATIONS

The following advice only applies to the product as supplied:
Combination with other material may well indicate another route or disposal. If in doubt, contact the local Authorities. Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should in any case be taken to ensure compliance with national and local regulations. This product is NOT suitable for disposal by either landfill or via municipal powers, drains, natural streams or rivers. This product should be disposed of in accordance with all applicable local and national regulations and to dispose of containers with care.

This material, as supplied, is not hazardous waste. This material could become a hazardous waste if it is mixed with or otherwise comes in contact with hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult appropriate national, regional, or local regulations for additional requirements.

Dispose of in accordance with local regulations.

SECTION 14: TRANSPORATION INFORMATION

DOT	Material Not Regulated or Classified Hazardous
UN-No.	Material Not Regulated or Classified Hazardous
IATA	Material Not Regulated or Classified Hazardous
IMDG/IMO	Material Not Regulated or Classified Hazardous

SECTION 15: REGULATORY INFORMATION

ECHA/REACH
Povidone-Iodine substance is in ECHA pre-registration status.
EC List No. 918-309-2: Envisage registration (consideration) status deadline is 31-May-2018.

WHMIS / CANADA
Not Controlled.

SECTION 16: OTHER INFORMATION

Issue Date: **26-Mar-2014**
Revision Date: **14-May-2018**

Hazard Class Calculation: Classes calculated using:

- Globally Harmonized System of Classification and Labelling of Chemicals, Seventh Revised Edition. UN, 2017.
- Assessment Report: Iodine (including PVP-iodine), Product types 1, 3, 4, 22. Sweden, 13 December 2013.

After ECHA/REACH pre-registration deadline, status of PVP-iodine may change, requiring revision of this SDS and product hazard classifications.

Disclaimer:

The information provided in this SDS is correct and is to the best of our knowledge, at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.