SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: Povidone Iodine Pads and Swabsticks **SDS 0054-00**

Finished Product Number: B40600, B51200, C12400, S41350, S41125, S42050, S42325

Formula Item Number: 4BS41101

Date of Preparation: July 13, 2018

Recommended use of the chemical and restrictions on use:

Recommended use: Antiseptic

Restrictions on use: For Professional and Hospital Use.

Manufacturer/Supplier: Nice-Pak/PDI, Inc.
Two Nice-Pak Park
Orangeburg, NY 10962-1376

Phone Number: 1-845-365-1700

Or Distributed by: Professional Disposables International, Ltd.
140 Woodbridge Ave., Unit CL-1, Market Lane Plaza
Vaughan, ON L4L 4K9 Canada

Phone Number: 1-800-263-7067

Emergency Phone Number: **PERS**: 1-800-633-8253 (Domestic/Canada)
1-801-629-0667 (International)

2. HAZARD(S) IDENTIFICATION

This product is a yellow to dark reddish brown liquid with a iodine odor impregnated on a pad or swabstick.

GHS Classification:

Physical	Health	Environmental
Not Classified	Specific Target Organ Toxicity-Repeated Exposure Category 1	Not Classified

Label Elements:

Danger!



Hazard Statements:

Causes damage to thyroid through prolonged or repeated exposure.

Precautionary Statements:
Do not breathe mists.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Get medical attention if you feel unwell.
Dispose of contents and container in accordance with local and national regulations.

Other Hazards: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Povidone Iodine	25655-41-8	7-13%

The specific identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Description of First Aid Measures:

Eye: Immediately flush eyes with water while lifting the upper and lower lids for several minutes. Remove contact lenses, if present and easy to do after 5 minutes of flushing, then continue flushing. Get medical attention if irritation persists.

Skin: No first aid should be required. This product is intended for use on the skin. If irritation develops and persists, discontinue use and get medical attention. Remove and contaminated clothing and launder it before reuse.

Inhalation: If symptoms develop move victim to fresh air. Get medical attention if irritation or other symptoms persists.

Ingestion: Ingestion is unlikely for solid products. No first aid is required for small amounts transferred from hands to mouth.

Most Important Symptoms/Effects, Acute and Delayed: Direct contact with liquid may cause mild eye irritation. May cause mild skin irritation or allergic reaction in some individuals that are sensitive to Iodine. May cause damage to the thyroid through prolonged or repeated exposure.

Indication of Immediate Medical Attention and Special Treatment, If Necessary: None required under normal conditions of use.

5. FIRE-FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use media appropriate for surrounding fire.

Specific Hazards Arising From the Chemical: This product is not flammable or combustible. Product will burn under fire conditions. Combustion may release iodine vapours, oxides of carbon and nitrogen.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should always wear self-contained breathing apparatus and full protective clothing for fires involving chemicals or in confined spaces.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid contact with eyes. Wear appropriate protective clothing as described in Section 8.

Environmental Hazards: Avoid releases to the environment. Report spill as required by local and federal regulations.

Methods and Materials for Containment and Cleaning Up: Pick up pad or swabstick and place in an appropriate container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes. Wear protective clothing and equipment as described in Section 8. Wash hands with soap and water after use. Remove contaminated clothing and launder before re-use.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, dry location. Protect container from physical damage. Keep away from excessive heat and open flames.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Povidone Iodine (as iodine)	0.01 ppm TWA (inhalable fraction and vapour), 0.1 ppm STEL (vapour and aerosol) ACGIH TLV 0.1 ppm Ceiling OSHA PEL

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below occupational exposure limits.

Individual Protection Measures, Such As Personal Protective Equipment:
Respiratory Protection: None required for normal use.
Skin Protection: This product is intended for skin contact. Impervious gloves recommended for handling other than use.
Eye Protection: Wear safety goggles or other eye protection to prevent eye contact.
Other: None required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow to dark reddish brown liquid impregnated on a pad or swabstick	**Flammable limits: LEL:** Not applicable **UEL:** Not applicable
Odor: Iodine	**Vapor pressure:** Not available
Odor Threshold: Not applicable	**Vapor density:** Not available
pH: 4.0-5.5 (saturant)	**Relative density:** 0.877 (saturant)
Melting point/freezing point: 0°C (32°F) (Saturant)	**Solubility(ies):** Saturant- infinite
Boiling point/range: 97.22°C (207°F) (Saturant)	**Partition coefficient (n-octanol/water):** Not available
Flash point: Not available	**Auto-ignition temperature:** Not available

Evaporation rate: Not available	**Decomposition temperature:** Not available
Flammability (solid, gas): Not applicable	

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.
Chemical Stability: Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions To Avoid: Keep away from heat and open flames.
Incompatible Materials: Avoid contact with oxidizers, caustics, and reducing agents.
Hazardous Decomposition Products: Thermal decomposition may release iodine vapours, oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: Direct contact with liquid may cause mild irritation with redness and tearing.
Skin: No adverse effects are expected. This product is intended for skin contact. May cause mild skin irritation or allergic reaction in some sensitive individuals.
Inhalation: Inhalation of mists may cause mild upper respiratory tract irritation.
Ingestion: Ingestion is unlikely for solid products. No adverse effects expected under normal use.

Chronic Effects: Iodine may cause damage to the thyroid through prolonged or repeated exposure. Chronic ingestion of Iodides may cause Iodism (chronic iodine poisoning), which may result in skin rash, nasal discharge, sneezing, fever, headaches, weakness, anemia, and loss of weight.

Carcinogenicity: None of the components of this product are listed as a carcinogen or suspected carcinogen by OSHA, IARC, and NTP.

Reproductive Effects: Iodine: A combined 28-day repeated dose toxicity study with the reproduction/developmental toxicity screening test was conducted with Iodine in rats by oral gavage. No reproduction/developmental toxicity was observed at any dose level. Based on these results, a reproduction and developmental No Observed Adverse Effect Level. (NOAEL) of 10 mg/kg was derived. Reproductive harm is not expected from this product.

Mutagenic Effects: Iodine: The ability of povidone iodine to induce chromosome aberrations in D284 cells was evaluated in three different experiments. Povidone iodine did not induce chromosome aberrations with and without metabolic activation in D824 cells under testing conditions. This product is not expected to cause mutagenic activity.

Acute Toxicity:
Povidone-Iodine: oral rat LD50: 8000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available for this mixture. The following data is for the individual components:

Iodine: 96 LC50 Oncorhynchus mykiss: 1.67 mg/L, 48hr LC50 Daphnia magna: 0.55 mg/L, 72 hr EC50 Desmodesmus subspicatus: 0.13 mg/L

This product is expected to be harmful to the aquatic environment. Releases to the environment should be avoided.

Persistence and Degradability: No data available
Bioaccumulative Potential: No data available
Mobility in Soil: No data available
Other Adverse Effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
US DOT	None	Not Regulated	None	None	Not applicable
Canadian TDG	None	Not Regulated	None	None	Not applicable
IMDG	None	Not Regulated	None	None	Not applicable
IATA	None	Not Regulated	None	None	Not applicable

Special precautions: None known

15. REGULATORY INFORMATION

Safety, Health, and Environmental Regulations Specific for the Product In Question:

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: See OSHA Hazard Classification in Section 2.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the ingredients of this product are listed on the TSCA inventory or exempt.

STATE REGULATIONS:

California Proposition 65: This product does not contain substances known in the State of California to cause cancer and/or reproductive harm.

Massachusetts RTK: None listed.

Pennsylvania RTK: None listed.

Rhode Island RTK: None listed.

New Jersey RTK: None listed.

CANADIAN REGULATIONS:

Canadian Environmental Protection Act: All of the components in this product are listed on the Domestic Substances List (DSL) or exempt.

16. OTHER INFORMATION

HMIS Ratings: Health – 1*	Flammability – 1	Physical Hazard - 0
NFPA Ratings: Health – 1	Flammability – 1	Instability – 0

SDS Revision History: New SDS
Date of preparation: July 13, 2018
Date of last revision: N/A

MATERIAL SAFETY DATA SHEET

1. Identification Of The Material And Supplier

Product Name:	Burnaid Sachets Burnaid Dressings Burnaid Tubes. Burnaid Spray Gel and Squeeze Bottle.
Other Names:	None.
Recommended Use:	First aid treatment for burns.
Supplier Name:	Rye Pharmaceuticals Pty Ltd.
Address:	Level 2, 52 Gibbes Street Chatswood 2067 NSW Sydney Australia.
Telephone:	+ 61 (0)2 9417 1922
Fax:	+ 61 (0)2 9417 0201

Emergency Contact Poisions Information Centre 24 Hours: (Australia) 13 11 26

A first aid burn gel for use on burns. Relieves pain, cools and soothes, provides a moist re-hydrating barrier and helps prevent secondary infection. Available as a gel and gel impregnated open cell foam dressings

Dressings

- An open cell polyester foam impregnated with white/off white to slightly clear hydrogel with a tea tree oil odour contained in a plastic/foil/plastic laminate pouch

Gel Tubes/Sachets/Bottles

- A white/off white to slightly clear hydrogel with a tea tree oil odour contained in a plastic/foil/plastic laminate sachet, tube or bottle.

2. Hazards Identification

Hazard Classififcation:	Classified as Non-hazardous according to criteria of NOHSC
Hazard Category:	None.
Risk Phrases:	None.
Safety Phrases:	None.

Material Details

CAS No.	None
NIOSH No.	None
UN No.	None
Dangerous G. Class	None
Packaging Group	None
IMO Class	None
Poison Schedule	None
HAZCHEM	None
Sub Risk	None
EPG	None
IMDG Page	None
Label	No class assigned
Shipping Name	**BURNAID**

3. Composition / Information on Ingredients

The Ingredients below are **NOT** considered either hazardous, dangerous goods or poisions at the percentage present according to the criteria of NOHSC

Single Use Dressings, Sachet & Gel Spray/Bottle

- Melaleuca Oil 1%
- Thickeners
- Emulsifiers and Surfactant
- Purified Water

Tube Gel

- Melaleuca Oil - 4%
- Thickeners
- Emulsifiers Surfactant
- Preservative
- Purified Water - 90%

Sterility

Single Use Sachets, Dressings and Gel Spray are sterilised by Gamma Irradiation – Minimum dosage of 25kygs

STERILE R

4. First Aid measures

- **Swallowed** - If swallowed, give a glass of water.
- **Eye Contact -** hold eye open and flush out the eye - especially under the eyelids with fresh water or saline solution. Seek medical attention if any irritation continues.
- **Skin** - If irritation occurs, discontinue use and wash off with fresh water.
- **Inhalation** - Not applicable.
- **Other** - Melaleuca Oil is generally considered a non-irritant in inert formula's below 10% concentration, and considered non-toxic at levels of less than 25% concentration. Industry studies indicate allergic reaction to products containing less than 10% Melaleuca Oil is extremely rare, but when reported usually involves some redness and stinging of the skin.

Toxicity	LD50>10g/kg
Skin Sensitisation	Non irritant
Skin Irritation	Non irritant
Eye Irritation	1 Draize Scale - very mild irritant

Treat symptomatically. Refer to individual constituents

5. Fire Fighting Methods

Fire Explosion – None - this product is non-combustible.

Non Flammable however the packaging may burn & emit fumes.

6. Accidental Release measures

Spills or Leakages – Contain the spill and wipe up then wash down area with water or absorb with sponge. Place in waste disposal.

7. Safe Handling and Storage

Protective Equipment – None required.

Storage and Transport - Store in packaging provided and in a cool dry place. Avoid extreme temperatures and sharp objects that may pierce the packaging. Do not use if the packaging is damaged. Can be refrigerated but do not freeze.

Shipping Name – None.

8. Exposure Controls / Personal Protection

Exposure limits – None Known.

Engineering Controls – None.

No special equipment is required for normal handing.

9. Physical And Chemical Properties

Molecular Weight:	Not applicable
Boiling Range:	Not applicable
Melting Range:	Not applicable
Specific Gravity:	0.98 to 1.02
Water Solubility:	Miscible
Evaporation Rate:	Not available
State:	Gel
Vapour Pressure:	Not available
Volatile Component (%Vol):	Not available
Relative Vapour Density:	Not available
Flash Point:	Not applicable
Lower Explosive Limit (%):	Not applicable
Upper Explosive Limit (%):	Not applicable
Auto ignition Temp©:	Not applicable
Decomposition Temp ©:	Not available

10. Stability And Reactivity

Hazardous Reactions – None known.

11. Toxicological Information.

Acute Effects:

SWALLOWED

Considered an unlikely route of entry. It is doubtful whether enough could be ingested to cause any irritation to the gastro-intestinal tract, or cause any pain or vomiting. Pure Melaleuca Oil is considered toxic. However formulation under 25% is considered non-toxic. Oral Toxicity Testing indicated the LD50 to be greater than 10g/kg, indicating very low potential irritancy.

EYE

Considered a possible mild irritant to the eye and may cause some smarting and redness. Acute Eye Irritation Testing using the Draize procedure indicated a very mild eye irritant.

SKIN

Generally considered a non-irritant. Prolonged exposure may cause some mild irritation and redness in a very small number of people. In rare cases skin contact may cause some irritation during use. Acute Dermal Irritation and Skin Sensitisation Testing in accordance with Draize procedure indicated a non-irritant and non-sensitising.

INHALATION

No hazard as product is non-volatile.

CHRONIC

Prolonged contact may cause slight irritation or redness for a small number of people. Pure Melaleuca Oil is considered a mild irritant, however percentages under 10% are usually considered non-irritants.

Australia Poisons Information Centre

24 Hour Service	13 11 26
Police or Fire Brigade	000

New Zealand Poisons Information Centre

Dunedin	03 479 1200 (Normal Hours) 03 479 0999 (Emergency)

American Poison Help Line (24 Hours) 1-800-222-1222

12. Ecological Information

Environmental Protection – Generally considered non-hazardous to the environment.

13. Disposal Considerations

Disposal method – The product is suitable for disposal into landfill.

14. Transport Information

Road And Rail Transport – Product is not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG) for transport by Road and Rail.

Marine Transport - Product is not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG) for transport by Sea.

Air Transport - Product is not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) for transport by Air.

15. Regulatory Information

TGA Status – ARTG Identifier 179506
ARTG Start Date – 27/01/2011
Product Category – Medical Device included in Class 11a.

Intended Purpose – a Sterile Wound Dressing used to provide First aid Treatment for burns.

16. Other Information

MSDS Issue Date: February 2011
MSDS Reviewed Date: May 2014

Reasons for review: Regular check of currency of information

The information contained in this data sheet is accurate to the best of our knowledge as of the date issued. It is the users obligation to assess that the product is suitable for the purpose chosen, and that it is used in accordance with the instructions.

SAFETY DATA SHEET

Issuing Date 26-Jun-2019 **Revision date** NA **Revision Number** 0

1. Identification

Product identifier

Product Name PDI Alcohol Prep Pads

Other means of identification

SDS Number SDS 0120-00

Synonyms None

Formula 4OB35301

Recommended use of the chemical and restrictions on use

Recommended use Skin Cleanser.

Restrictions on use Not a baby wipe.

Details of the supplier of the safety data sheet

Manufacturer Address
PDI, Inc.
Two Nice-Pak Park
Orangeburg, NY 10962-1376
1-845-365-1700

Emergency telephone number

Emergency Telephone PERS:
1-800-633-8253 (Domestic/Canada)
1-801-629-0667 (International)

2. Hazard(s) identification

Classification

Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 2

Appearance Liquid saturated on wipe. **Physical state** Solid. **Odor** Alcohol

Label elements

Danger

Hazard statements
Causes serious eye irritation.

May cause drowsiness or dizziness
Highly flammable liquid and vapor



Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
Eyes
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
Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other information
May be harmful if swallowed May be harmful if inhaled.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Isopropyl alcohol	67-63-0	45-65%	-	-

4. First-aid measures

Description of first aid measures

General advice	IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
Skin contact	Product intended to be used on skin. Get medical attention if irritation occurs and persist.
Ingestion	Do not induce vomiting unless directed to do so by a medical professional. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Self-protection of the first aider	Avoid contact with eyes. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms	Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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	CAUTION: Use of water spray when fighting fire may be inefficient.
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 protective clothing for fires involving chemicals or in confined spaces. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with eyes.
Other information	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. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Ensure adequate ventilation. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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 IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m³	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m³ STEL: 500 ppm STEL: 1225 mg/m³

Chemical name	Alberta	British Columbia	Ontario	Quebec
Isopropyl alcohol 67-63-0	TWA: 200 ppm TWA: 492 mg/m³ STEL: 400 ppm STEL: 984 mg/m³	TWA: 200 ppm STEL: 400 ppm	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm TWA: 985 mg/m³ STEL: 500 ppm STEL: 1230 mg/m³

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection If splashes are likely to occur, wear safety glasses with side-shields.

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

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. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Solid.
Appearance	Liquid saturated on wipe.
Color	No information available.
Odor	Alcohol
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	No data available	None known
Flash point	25.6°C / 78°F	
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	2.1	None known
Relative density	0.877	
Water solubility	Soluble in water	None known
Solubility in other solvents	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 Heat, flames and sparks.

Incompatible materials Avoid contact with strong oxidizing agents, acids and caustics.

Hazardous decomposition products Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation Inhalation of high concentrations of vapors may cause upper respiratory tract irritation, headache, dizziness, drowsiness, confusion, and other central nervous system effects.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact No adverse effects due to skin contact are expected.

Ingestion Not a normal route of harmful exposure. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Acute toxicity

Numerical measures of toxicity

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

ATEmix (oral) 3,011.27 mg/kg
ATEmix (dermal) 6,536.20 mg/kg
ATEmix (inhalation-gas) 40,257.60 mg/l
ATEmix (inhalation-dust/mist) 10.06 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m³ (Rat) 4 h

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

Skin corrosion/irritation May cause skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity Classification based on data available for ingredients.
The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol 67-63-0	-	Group 3	-	X

Legend
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Reproductive toxicity No information available.

STOT - single exposure May cause drowsiness or dizziness.

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
Isopropyl alcohol 67-63-0	EC50: >1000mg/L (96h, Desmodesmus subspicatus) EC50: >1000mg/L (72h, Desmodesmus subspicatus)	LC50: =9640mg/L (96h, Pimephales promelas) LC50: =11130mg/L (96h, Pimephales promelas) LC50: >1400000µg/L (96h, Lepomis macrochirus)	-	EC50: =13299mg/L (48h, Daphnia magna)

Persistence and degradability No information available.

Bioaccumulation No information available.

Component Information

Chemical name	Partition coefficient
Isopropyl alcohol 67-63-0	0.05

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Do not reuse.Pick up wipe and place in an appropriate container for flammable waste disposal. Do not flush in toilet.Dispose in accordance with all local, state and federal regulations.

Contaminated packaging Do not reuse empty containers.

Chemical name	California Hazardous Waste Status
Isopropyl alcohol 67-63-0	Toxic Ignitable

14. Transport information

DOT Not regulated as dangerous goods.
Special Provisions 47

TDG Not regulated as dangerous goods.
Special Provisions 56

IATA Not regulated as dangerous goods.
Special Provisions A46

IMDG	Not regulated as dangerous goods.
Special Provisions	216

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	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
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

Chemical name	New Jersey	Massachusetts	Pennsylvania
Isopropyl alcohol 67-63-0	X	X	X
Water 7732-18-5			X

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA	**Health hazards**	2	**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
Agency for Toxic Substances and Disease Registry (ATSDR)
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 Library of Medicine's PubMed database (NLM PUBMED)
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 26-Jun-2019

Revision date NA

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

Dukal

Safety Data Sheet

SECTION 1: PRODUCT IDENTIFICATION

Product:	Alcohol Prep Pads
Product Label Name:	Dukal Alcohol Prep Pads (private label included)
CAS#:	(Alcohol) 67-63-0
EC#:	(Alcohol) 200-661-7
Relevant Product Use:	Antiseptic Cleanser
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
Last Revision Date:	21-August-2019

SECTION 2: HAZARDOUS IDENTIFICATION

Hazard Class/Category:	Flammable Liquid – 2 Eye Irritation – 2 STOT SE – 3
Hazard Symbol:	
Signal Word:	Danger
Hazard Statements:	Highly flammable liquid and vapor. (H225) Causes serious eye irritation. (H319) May cause drowsiness or dizziness. (H336)
Precautionary statements:	
General:	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep out of reach of children. (P210) (P102)

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. (P305+P338) (P337+P313)

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. (P304+P340)

SECTION 3: INFORMATION ON INGREDIENTS

Component Name	CAS #	EC #	Concentration	R Phrase
Isopropyl Alcohol	67-63-0	200-661-7	>60%	R11

SECTION 4: FIRST-AID MEASURES

Emergency first aid procedures by route of exposure:

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion: Do not induce vomiting. If the material is swallowed have victim drink 1-3 glasses of water to dilute stomach contents. Seek medical attention or advice.

Skin: If irritation is experienced, rinse with water. If irritation persists, seek medical attention.

Eyes: Rinse eyes with water for 15 minutes holding the eye open. Seek medical attention if irritation persists

SECTION 5: FIRE-FIGHTING MEASURES

Flammability Classification: Flammable Liquid IB Extinguishing Media: Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or alcohol resistant foam.

Products of Combustion: Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.

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: For large spills wear gloves, safety glasses and when levels exceed OSHA PEL use appropriate NIOSH approved respiratory protection. Keep unnecessary personnel away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Environmental Precautions: Prevent discharge to open waters.

Method for Containment: Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth.

Methods for Clean-Up: Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area with water.

SECTION 7: HANDLING AND STORAGE

Handling: Keep away from heat, sparks and flame. Prevent contact with eyes. Use in well ventilated area.

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

SECTION 8: EXPOSURE CONTROLS

Isopropyl Alcohol (67-63-0)

ACGIH: 200 ppm TWA

OSHA: 400 ppm TWA; 980 mg/m3 TWA

Engineering Controls: Normal room ventilation is usually adequate.

Personal Protective Equipment (PPE):

Eye/Face Protection: None needed under normal use – Wear goggles is exposed to unusual amount and splashing

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

Respiratory Protection: Use when vapor concentrations are high or in an enclosed space. Avoid inhalation of vapor.

General Hygiene Considerations: No smoking. Normal hygienic practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Non-woven cloth saturated with liquid. No free liquid inside packaging.
Appearance/Color: Clear
Odor: Alcohol
PH: Not Available.
Vapor Density: 2.1 (air=1)
Boiling Point: 80°C
Vapor Pressure: No data
Melting Point: No data
Freezing Point: Not Available
Flash Point: 11.7°C for 70% Isopropanol Solution
Solubility (in water): Soluble
Specific Gravity @ 25°C: 0.88-0.92
Evaporation Rate: Not Available
Octanol/Water partition coefficient : Not Available
Auto-ignition temperature: Not Available
Decomposition temperature: Not Available

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal ambient temperatures 70°C (21°C)
Condition to Avoid: Avoid excessive heat or sources of ignition.
Incompatible Materials: This product reacts with strong acid, strong bases, and oxidizing agents.
Hazardous Decomposition: Upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.
Hazardous Reactions: Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:
A: General Product information
Product contains isopropyl alcohol.
B: Acute Toxicity
Low order of acute toxicity is possible.
CHRONIC EFFECTS: Component
Isopropyl Alcohol (67-63-0) -- This product is not expected to cause long term adverse effects
Carcinogenicity: ACGIH A4 – Not Classifiable as a Human Carcinogen
Neurotoxicity: No information available
Mutagenicity: No information available for product.
Reproductive: This product is not expected to cause reproductive health effects
Developmental: This product is not expected to cause reproductive health effects.
Target Organs: When consumed, ethyl alcohol can target the respiratory system, skin, eyes, CNS, liver, blood and reproductive system.

SECTION 12: ECOLOGICAL INFORMATION

Solutions of alcohols are toxic to aquatic life at moderate to low concentrations. No long-term ecological effects are likely. Concentrated solutions of alcohols and surfactants may cause damage to aquatic and terrestrial plants.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with national and local regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld near container. Do not incinerate closed containers. Empty containers may contain hazardous residues. Dispose of containers with care.

SECTION 14: TRANSPORATION INFORMATION

DOT	Not Regulated as Hazardous Material under DOT 49 CFR 172.102 Special Provision 47
UN (EU: ADR/RID/ADN)	Not Regulated as Hazardous Material under UN Dangerous Goods Ch. 3.3 Special Provision 216
IATA/ IACAO	Not Regulated as Hazardous Material under IATA Sec. 4.4 Special Provision A46, IACAO DPG SP A46
IMDG/ IMO	Not Regulated as Hazardous Material under IMDG Ch. 3.3 Special Provision 216

Special Provisions Verbiage: (DOT) Mixtures of solids that are not subject to this subchapter and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Except when the liquids are fully absorbed in solid material contained in sealed bags, for single packagings, each packaging must correspond to a design type that has passed a leakproofness test at the Packing Group II level. Small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in Packing Group II or III absorbed onto a solid material are not subject to this subchapter provided there is no free liquid in the packet or article. (UN: ARD/RID/ADN) SP216: Mixtures of solids which are not subjects to these Regulations and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or cargo transport unit is closed. Each cargo transport unit shall be leakproof when used as a bulk packaging. Sealed packets and articles containing less than 10 ml of a packing group II or III flammable liquid absorbed into a solid are not subject to these Regulations provided there is no free liquid in the packet or article. SP313: Sealed packets and articles containing less than 10 ml of

an environmentally hazardous liquid, absorbed into a solid material but with no free liquid in the packet or article, or containing less than 10 g of an environmentally hazardous solid, are not subject to these Regulations. (IATA) Small inner packagings consisting of sealed packets or articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these Regulations provided there is no free liquid in the packet or article (IACAO) Mixtures of solids which are not subject to these Instructions and flammable liquids may be transported under
this entry without first applying the classification criteria of Division 4.1, providing there is no free liquid visible at the time the substance is packaged and the packaging must pass a leakproofness test at the Packing Group II level. Small inner packagings consisting of sealed packets or articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these Instructions provided there is no free liquid in the packet or articles. (IMDG) Sealed packets containing 10 ml or less of Class 3 flammable liquids in Packing Group II or III which are absorbed into a solid with no free liquid at the time of shipment are not regulated.

SECTION 15: REGULATORY INFORMATION

EPA: SARA

CAS	Chemical	De Minimis
67-63-0	Isopropyl alcohol (only persons who manufacture by the strong acid process are subject, no supplier notification)	1.0%

EC:

Directive 2010/75/EU (VOC): 60 - 80 % (Liquid)

SECTION 16: OTHER INFORMATION

Issue Date: **Mar 26-2014**

Revision Date: **Jan 5-2021**

Disclaimer:

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InstaKool™ Material Safety Data Sheet

Urea

Issued December 2003

For Emergency Call: CHEMTREC – (800) 424-9300

Section 1. Material Identification

Distributor:	Yara Canada L.P 1130 Sherbrooke Street, West Suite 1050, Montreal, Quebec H3A2M8 Tel: (514) 849-9222 Fax: (514) 849-3362

Product Name: Urea, dry

CAS No.: 57-13-6

24 Hour Emergency Telephone (Canutec): 613-996-6666

CHEMTREC (800) 424-9300

Section 2. Composition / Information on Ingredients

Synonyms and Common Trade Names: Urea Prills, Urea Granular, Carbamide, Carbonyldiamine, Carbonyl Diamide

Component Name	Typical Weight Percentage
Urea: (NH^2CONH^2)	97.5 - 99.7
Biuret: ($NH^2CONHCONH^2$)	1% approx
Free Ammonia	<200ppm
Nuisance dust	15mg/m^3 (Total)
5mg/m^3	Respirable (particulate) fraction urea

Section 3. Physical Data

Appearance/Color/Odor: White solid, spherical or granular shape with slight ammonia odor.			
Melting Point/Range:	271°F or 133°C	Boiling Point:	135°C (decomposes)
Solubility in Water:	1,193 g/l at 25°C	Boiling Point:	Not applicable
Specific Gravity:	Not applicable	Vapor Pressure (mmHg):	80 Pa t 20°C (calculated)
Vapor Density:	Not applicable	Molecular Weight:	60.07
Bulk Density:	44 - 49lbs/cu ft	% Volatiles:	Not applicable
pH:	7.2 at 100 g/l	Evaporation Rate:	Not applicable
Viscosity:	Not applicable	Density:	750 kg/m^3

Section 4. Fire or Explosion Hazard

Flash Point: Not applicable

Auto-ignition Temperature: Not available

Lower Explosive Limit: Not available

Upper Explosive Limit: Not available

Unusual Fire and Explosion Hazards: Heating above 270°F decomposes to Biuret, Ammonia and Nitrogen Oxides. Short term exposures to smoke and gases may lead to irreversible lung injury without early signs and symptoms.

Extinguishing Media: All standard agents are acceptable. Use extinguishing agent suitable for the surrounding fire. Material itself burns with difficulty. Urea becomes slippery when wet. Guard against slips and falls.

Special Fire Fighting Procedures and Equipment: Irritating toxic substances may be emitted upon thermal decomposition. Exposed firefighters should wear NIOSH approved self contained breathing apparatus with full face piece and full face piece and full protective clothing. May form explosive mixtures if mixed with strong acid (Nitric/Perchloric).

Ventilation: Provide local or general ventilation to keep below nuisance dust limit of 15 mg/m^3.

Section 5. Reactivity Data

Stability:	This product is stable under normal ambient conditions of temperature and pressure.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	May slowly hydrolyze to ammonium carbamate after a long period of time which decomposes to ammonia and carbon dioxide.
Materials to Avoid (Incompatibilities):	Avoid contact with strong oxidizers, acids or bases. Avoid contact with Nitrates. Reacts to sodium or calcium hypochloride to form explosive nitrogen trichloride.
Hazardous Decomposition Products:	Decomposes to ammonia, biuret, nitrogen oxides and carbon oxides.

Section 6. Toxicological Properties

Significant Routes of Exposure: Eyes, digestive tract, respiratory tract, skin

Potential Acute Health Effects

Inhalation:	May cause respiratory tract irritation although no incidents of dust inhalation health effects have been reported.
Ingestion:	May cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting and diarrhea.
Skin Contact:	Contact may cause irritation or rash, particularly with moist skin.
Eye Contact:	Severe irritant. Contact with heated material may cause thermal burn
Chronic Exposure:	No information found.

Potential Chronic Health Effects: None known. Urea is a naturally occurring chemical in the body. It is an end product of protein metabolism and is excreted in the urine.

Toxicity to Animals:

Acute Oral Toxicity

(rat) LD50 = 14,300 - 15,000 mg/kg

(mouse) LD50 = 11,500 mg/kg

(cattle) LD50 = 510 mg/kg

Repeated Dose (rat): 24 weeks dermal - NOAEL = 40% in ointment

Skin Irritation/Corrosion: Mouse - not irritating (10% solution)

Eye Irritation/Corrosion: Rabbit - not irritating (50% solution)

Not found to be toxic by oral exposure as defined by OSHA. Based on toxicity data for another compound, i.e. ammonium nitrate, not expected to be toxic by dermal and inhalation exposure as defined by OSHA.

Other Effects on Humans: Despite extensive medical use, no significant side effects on humans have been noted.

Section 7. Preventive Measures

Exposure Controls/Personal Protection

Engineering Controls: Provide local or general ventilation to keep below nuisance dust limit of 15mg/m3.

Personal Protection

Eye Protection:	Wear safety glasses or chemical goggles to prevent eye contact. Do not wear contact lenses when working with this substance. Have eye wash facility available where eye contact could occur.
Protective Clothing:	Wear impervious gloves and protective clothing to prevent skin contact.
Respiratory Protection:	Normally none needed. Use NIOSH approved equipment when airborne dust exposure limits are exceeded. NIOSH approved breathing equipment must be available for non-routine and emergency use.
Other Protective Clothing or Equipment:	Normally not require.

Accidental Release Measures

Small Spill: If uncontaminated recover and reuse as product

Large Spill: Prevent large quantities from contacting vegetation or waterways. Keep animals away from large spills.

Release Notes: If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. **If in the U.S. contact the U.S. Coast Guard National Response Center, toll free number 800-424-8802. In case of accident or road spill notify: Chemtrec in U.S.A. 800-424-9300, Canutec in Canada t 613-996-6666. Chemtrec in other countries at (International Code) + 703-527-3887**

Handling and Storage

Ventilation:	Provide local or general ventilation to keep below nuisance dust limit of 15 mg/m3.
Handling	Avoid contact with eyes. Avoid repeated or prolonged contact with skin or clothing. Avoid dust inhalation. Contact lenses should not be worn.
Storage:	Store in closed containers in cool, dry, isolated well ventilated area away from heat, sources of ignition and incompatibles. Avoid contamination with other "look alike" materials that may product a fire or explosion.
Special Precautions/Procedures/Label Instructions:	Avoid containers, piping or fittings made of brass, bronze or other copper bearing alloys or galvanized metals.

Disposal Considerations

Product Disposal: Disposal of Urea may be subject to federal, state or local regulations.

General Comments: Users of this product should review their operations in terms of applicable federal, state and local laws and regulations, then consult with appropriate regulatory agencies before discharging or disposing of waste material.

Section 8. First Aid Measures

Inhalation:	Remove affected person from source of exposure. If not breathing, ensure open airway and initiate CPR. If breathing is difficult, administer oxygen; if available get medical attention.
Ingestion:	Do not induce vomiting. Keep affected person warm and treat for shock. Get medical attention. A single dose of 100 grams has reportedly caused mild symptoms of the Central Nervous System (depression, drowsiness, etc).
Skin Contact:	Wash area of contact thoroughly with soap and water. For contact with molten product do not remove clothing. Flush skin immediately with cold water. Launder clothing before reuse.
Eye Contact:	Promptly flush with water, continuing for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. If irritation persists, consult a physician immediately

Disclaimer

This information contained herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. No representations or warranty's, either express or implied, of merchantability, fitness for a particular purpose of any other nature are made hereunder with respect to information or the product to which information refers. Moreover, the liability of the supplier shall be limited to replacing any product or reimbursing the purchase price of any product which the customer considered, for any reason, to be unsatisfactory, the supplier shall not be liable for any further damages, and in particular shall not be liable for any indirect, special or consequential damages.

From: Joe Sutedjo [jsutedjo@kc-ph.com]

Sent: Thursday, May 22, 2008 2:25 PM

Subject: MSDS exemption

KC Pharmaceuticals products supplied to First Aid Only is exempt from MSDS requirements as per 29CFR 1910.1200 section (b)(6)(vii).

The items are as follow:

1. Eye Wash 4oz (9SALP0401MC)
2. Eye Drops Regular 1/2oz (9EDRG0051MC)
3. Eye Drops Advanced Relief 1/2oz (9EDAR0051MC)

Please let me know if you have any questions.

Regards,

Joe Sutedjo
KC Pharmaceuticals

Joseph Sutedjo
President
KC Pharmaceuticals, Inc.
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E-mail: jsutedjo@kc-ph.com