

MATERIAL SAFETY DATA SHEET

<i>First Aid Burn Cream</i>	MSDS No.:	007
	Revision No.:	3
	Exp:	1/15/2011

PRODUCT AND COMPANY INFORMATION – SECTION 1	
<u>Manufacturer/Distributor</u>	Water-Jel Technologies 50 Broad Street Carlstadt, NJ 07072 201-507-8300 800-275-3433
Product Name:	First Aid Burn Cream
Synonyms:	Topical Cream, Burn Cream
Intended Use:	First aid to help prevent infection and for temporary relief of pain in minor cuts, scrapes, and burns. For external use only.

**FOR CHEMICAL EMERGENCY, SPILL, LEAK,
FIRE, EXPOSURE, OR ACCIDENT:**

In the continental U.S.: 800-275-3433
For additional information: 201-507-8300

COMPOSITION INFORMATION – SECTION 2		
In accordance with 29 CFR § 1910.1200 (i) (1) the specific chemical identity of this product is being withheld as a trade secret.		
<u>Chemical Name:</u>	Cetyl Alcohol	
Percent:	Proprietary	
CAS Number:	36653-82-4	
Exposure Limits:	None Established	
<u>Chemical Name:</u>	Germaben II	
Percent:	Proprietary	
CAS Number:	No information available.	
Exposure Limits:	None Established	
<u>Chemical Name:</u>	Glycerin	
Percent:	Proprietary	
CAS Number:	56-81-5	
Exposure Limits:	<u>ACGIH TWA (Glycerin Mist):</u>	<u>OSHA PEL (Glycerin Mist):</u>
	<u>Total Dust:</u> 15 mg/m ³	<u>Total Dust:</u> 10 mg/m ³
	<u>Respirable Fraction:</u> 5 mg/m ³	<u>Respirable Fraction:</u> 5 mg/m ³
<u>Chemical Name:</u>	Glyceryl Monostearate SE (Glyceryl Stearate)	
Percent:	Proprietary	
CAS Number:	31566-31-3	
Exposure Limits:	<u>TWA (Stearates):</u> 10 mg/m ³	

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Chemical Name:	White Mineral Oil
Percent:	Proprietary
CAS Number:	8042-47-5
Exposure Limits:	None Established
Chemical Name:	Peg 100
Percent:	Proprietary
CAS Number:	25322-68-3
Exposure Limits:	None Established
Chemical Name:	Stearic Acid
Percent:	Proprietary
CAS Number:	57-11-4
Exposure Limits:	None Established

HAZARDS IDENTIFICATION – SECTION 3

EMERGENCY OVERVIEW & HAZARDS PRESENT TO MAN AND THE ENVIRONMENT	May cause irritation to eyes and may cause irritation of the digestive tract when ingested.
PRIMARY ROUTES OF EXPOSURE	Eye contact, Ingestion
<u>POTENTIAL HEALTH EFFECTS:</u>	
Eyes:	May cause irritation, characterized by a burning sensation, redness, tearing, inflammation, dryness, and possible other effects.
Skin:	No adverse conditions expected.
Inhalation:	Unlikely route of exposure.
Ingestion:	May cause irritation of the digestive tract.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	No information available.
<u>CHRONIC HEALTH EFFECTS:</u>	
Eyes:	Flush eyes with clear running water for a minimum of fifteen (15) minutes while holding eyelids open; if irritation persists, seek medical attention.
Skin:	No adverse conditions expected.
Inhalation:	Unlikely route of exposure.
Ingestion:	Rinse out mouth and drink lots of water. In case of unusual symptoms, seek medical attention and show physician the container details.

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FIRST AID MEASURES – SECTION 4

SEEK MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE.

FIRST AID MEASURES:	
Eyes:	Flush immediately with large amounts of water. If redness or irritation persists, contact a physician.
Skin:	No adverse conditions expected.
Inhalation:	Unlikely route of exposure.
Ingestion:	Contact a physician immediately.
Instructions for Physician:	Available data does not identify any conditions.

FIRE FIGHTING MEASURES – SECTION 5

NFPA Classification

Health	Fire	Reactivity	Other
1	0	0	N/A

FLAMMABILITY PROPERTIES

Flash Point:	N/A	Method:	N/A
Flammability Limits: (in air % by volume)		LEL:	N/A
		UEL:	N/A

Autoignition Temperature:

N/A

Hazardous Combustion Products:

Carbon Monoxide, Carbon Dioxide

Extinguishing Media:

Use extinguishing media appropriate for the surrounding fire. Use water spray, foam or dry chemical.

Prohibited Extinguishing Media:

In fires involving large quantities of this product, the use of large streams of water should be avoided.

Firefighting Instructions:

Use self-contained breathing apparatus when fighting fires that involve this material.

Unusual Fire and Explosion Hazards:

Carbon monoxide and carbon dioxide may be generated.

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ACCIDENTAL RELEASE MEASURES – SECTION 6

Environmental Precautions:

No information available.

Cleanup Methods:

Small spills: Spills should be collected with approved inert absorbent for disposal.

Large spills: Spills should be collected with approved absorbent for disposal.

HANDLING & STORAGE – SECTION 7

Handling:	Keep this and other chemicals out of reach of children.
Storage:	Do not store or mix with strong acids or oxidizers.
Specific Uses:	First aid to help prevent infection and for temporary relief of pain in minor cuts, scrapes and burns. For external use only.

EXPOSURE CONTROLS / PERSONAL PROTECTION – SECTION 8

EXPOSURE CONTROLS:

Exposure Limits Values:

	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>
Stearates (Glyceryl Stearate)	Not Established	10 mg/m ³
Glycerin Mist (Glycerin)	<u>Total Dust:</u> 15 mg/m ³	<u>Total Dust:</u> 10 mg/m ³
	<u>Respirable Fraction:</u> 5 mg/m ³	<u>Respirable Fraction:</u> 5 mg/m ³

Engineering Controls:

Local Exhaust is recommended.

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory Protection:

None required under normal conditions.

Hand Protection:

None required under normal conditions.

Eye/Face Protection:

Eye protection, as necessary to prevent excessive contact.

Skin Protection:

None required under normal conditions.

General Hygiene Considerations:

Practice safe work habits. Use according to label instructions.

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Other Protective Equipment:

Eye wash stations should be nearby and ready for use.

PHYSICAL & CHEMICAL PROPERTIES – SECTION 9

PRODUCT:	First Aid Burn Cream
General Information:	
Appearance	White homogeneous cream
Odor	Slightly fatty odor
Important Health, Safety, and Environmental Information:	
Boiling Point	135°C 275°F
Melting Point	60°C (140°F)
Flash Point	N/A
Explosive Properties	No information available.
Oxidizing Properties	No information available.
Specific Gravity ($H_2O = 1$)	0.81
Water Solubility	Miscible
Partition Coefficient (<i>n</i> -octanol/water)	No information available.
Viscosity	No information available.
Vapor Pressure (<i>mm Hg</i>)	No information available.
Vapor Density (<i>Air = 1</i>)	No information available.
Evaporation Rate	0.07
% Volatile (<i>By Volume @ 68°F</i>)	65

STABILITY & REACTIVITY – SECTION 10

Stability:

This material is stable under normal conditions.

Conditions to avoid:

Extreme heat

Materials to avoid:

Strong oxidants, Strong Acids

Hazardous Decomposition Products:

Carbon Monoxide, Carbon Dioxide

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<u>Hazardous Polymerization:</u>
Will not occur.

TOXICOLOGICAL INFORMATION – SECTION 11

<u>Type of Test</u>	<u>Route of Exposure</u>	<u>Effects</u>	<u>Species Observed</u>	<u>Dose Data</u>
LD ₅₀ – (Cetyl Alcohol)	Oral	Death	Rodent - Rat	5 mg/kg
LD ₅₀ – (Glycerin)	Oral	Death	Rodent - Rat	12600 mg/kg
LD ₅₀ – (Glyceril Stearate)	Intraperitoneal	Death	Rodent - Mouse	200 mg/kg
LD ₅₀ – (Mineral Oil)	Oral	Death	Rodent - Mouse	22 gm/kg
LD ₅₀ – (Stearic Acid)	Intravenous	Death	Rodent - Rat	21500 ug/kg

ECOLOGICAL INFORMATION – SECTION 12

<u>Ecotoxicity:</u>
No information available.
<u>Mobility:</u>
No information available.
<u>Persistence and Degradability:</u>
No information available.
<u>Bio accumulative Potential:</u>
No information available.

DISPOSAL CONSIDERATION – SECTION 13

Dispose of in accordance with Local, State, and Federal regulations.
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TRANSPORT INFORMATION – SECTION 14

<u>DOT CLASSIFICATION:</u>	
UN Number:	Not Regulated for Domestic Transport.
Class:	

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Proper Shipping Name:	Not regulated for Domestic Transport.
Packing Group:	
Marine Pollutant:	
Other Information:	
<u>IATA CLASSIFICATION:</u>	
Un Number:	Not Regulated for International Air Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	
<u>IMDG CLASSIFICATION:</u>	
Un Number:	Not Regulated for International Water Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	

REGULATORY INFORMATION – SECTION 15	
<u>US REGULATIONS</u>	
ACGIH	<u>TWA (Glycerin Mist):</u> <u>Total Dust:</u> 15 mg/m ³ <u>Respirable Fraction:</u> 5 mg/m ³
CAA Section 112	Not Listed
CERCLA	Not Listed
IARC	Not Listed
NTP	Not Listed
OSHA	<u>OSHA PEL (Glycerin Mist):</u> <u>Total Dust:</u> 10 mg/m ³ <u>Respirable Fraction:</u> 5 mg/m ³
SARA Title III	Not Listed

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TSCA	Not Listed
<u>STATE REGULATIONS</u>	
MA substance List	Not Listed
NJ RTK Hazardous Substance List	Not Listed
PA Hazardous Substance List	Not Listed
Canadian WHMIS	Not Listed

To the best of our knowledge, the information contained herein is accurate. However, neither Water-Jel Technologies, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.	HMIS HAZARD RATING			
SAFETEC OF AMERICA	HEALTH	2	0 = INSIGNIFICANT	3 = HIGH
	FLAMMABILITY	3	1 = SLIGHT	4 = EXTREME
	REACTIVITY	0	2 = MODERATE	
TRANSPORTATION INFORMATION				
PROPER SHIPPING NAME	Solids containing flammable liquid, n.o.s. (Ethanol)			
HAZARD CLASS / PKG. GRP.	4.1 / II	IATA	Special Provision A46	
IDENTIFICATION NUMBER	UN3175	US DOT	Special Provision 47	

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)		Page 1 of 2
Safetec Sting Relief™ - Towelette		
MANUFACTURER'S NAME Safetec of America, Inc.	EMERGENCY TELEPHONE NUMBER (24 Hours) (800) 255-3924	
ADDRESS (NUMBER, STREET, P.O. BOX) 887 Kensington Avenue @ William L. Gaiter Pkwy.	TELEPHONE NUMBER FOR INFORMATION (716) 895-1822	
(CITY, STATE AND ZIP CODE) Buffalo, NY 14215	DATE PREPARED February 27, 2006	SUPERSEDES September 1, 2004

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	% (wt.) (OPTIONAL)	OSHA PEL/STEL		ACGIH TLV/TWA/STEL	
			PPM	MG/M ³	PPM	MG/M ³
Ethyl Alcohol	64-17-5		1000 (PEL)		1000 (TLV)	
Lidocaine HCl	6108-05-0	2	None Established		None Established	
Menthol	2216-51-5		None Established		None Established	

This product is not known to contain a substance subject to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR 372 at or above minimal amounts.

SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE	EMERGENCY AND FIRST AID PROCEDURES
EYES: Brief contact may cause mild irritation; prolonged contact may cause moderate irritation associated with redness.	Flush eyes with clear running water for a minimum of 15 minutes while holding eyelids open; if irritation persists, seek medical attention.
INHALATION: Brief (minutes) inhalation will not cause adverse effects; prolonged and constant inhalation may cause irritation to the upper respiratory tract.	If irritation occurs, remove to fresh air and provide oxygen if breathing is difficult; seek medical attention if required
SKIN: Prolonged or repeated skin contact may cause mild irritation.	If irritation occurs, flush with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention.
INGESTION: Small amounts swallowed incidental to normal handling are not likely to cause injury. Swallowing larger amounts may cause injury.	DO NOT induce vomiting; seek immediate medical attention.
HEALTH HAZARDS (ACUTE AND CHRONIC): Acute effects are possible irritation and discomfort; chronic effects are possible with the ingestion of large amounts to the nervous system. Do not use on abraded skin.	
CARCINOGENICITY	NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No
No additional information	
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye or respiratory disorders may become aggravated through prolonged exposure.	

MATERIAL SAFETY DATA SHEET

IDENTITY (AS USED ON LABEL AND LIST)

Safetec Sting Relief™ - Towelette

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Date: February 27, 2006

SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (TOC)

15.7°C

FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component)

LEL: 3.3

UEL: 19

EXTINGUISHING MEDIA

dry chemicals, alcohol-type or all-purpose foam, CO₂

SPECIAL FIRE FIGHTING PROCEDURES

DO NOT enter confine fire space without full bunker gear (Helmet with face shield, bunker coats, gloves and rubber boots. Wear NIOSH/MSHA approved self contained breathing apparatus. Cool fire exposed containers with water. A water spray may be used to dispense vapors; re-ignition is possible.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS

Flammable liquid. Concentrated vapors may be flammable.

SECTION 5 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED

Small spills may be flushed with large amounts of water; larger spills should be collected with approved absorbent for disposal.

WASTE DISPOSAL METHODS

Dispose of in accordance with Local, State, and Federal regulations. Products classified as non-hazardous may become hazardous waste upon contact with other products. Refer to "40 CFR Protection of Environment Parts 260-299" for complete waste disposal regulations. Consult your Local, State, or Federal Environmental Protection Agency before disposing of any chemicals.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container(s) tightly closed when not in use. Store in cool, dry area away from possible sources of ignition. Keep this and other chemicals out of reach of children.

SECTION 6 - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION

Ordinarily, none required

VENTILATION

LOCAL EXHAUST: Required

MECHANICAL (GENERAL): No

PROTECTIVE GLOVES

Ordinarily, none required

EYE PROTECTION

Ordinarily, none required

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Ordinarily, none required

WORK / HYGIENIC PRACTICES

Practice safe work habits. Use according to label instructions.

SECTION 7 - PHYSICAL / CHEMICAL PROPERTIES

BOILING POINT

173°F (Based on Ethyl Alcohol)

SPECIFIC GRAVITY (WATER=1)

0.92

VAPOR PRESSURE (mm Hg)

Not Determined

MELTING POINT

Not applicable

VAPOR DENSITY (AIR=1)

Not Determined

pH

Approximately 4.3

SOLUBILITY IN WATER

Complete to moderate

EVAPORATION RATE (n-BUTYL ACETATE=1)

Not Determined

APPEARANCE AND ODOR

Clear liquid.

% VOLATILES (BY WEIGHT)

Not Determined

SECTION 8 - STABILITY AND REACTIVITY

STABILITY

UNSTABLE:

STABLE: XXX

CONDITIONS TO AVOID

Extreme temperatures; sources of ignition

INCOMPATIBILITIES (MATERIALS TO AVOID)

Strong oxidizing/reducing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Decomposition will not occur if handled / stored properly. Thermal decomposition may produce carbon monoxide, small amounts of nitrogen oxides, halogenated compounds or propionaldehyde may also be formed.

HAZARDOUS POLYMERIZATION MAY OCCUR:

WILL NOT OCCUR: XXX

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

MATERIAL SAFETY DATA SHEET

James Alexander Corporation 845 Route 94 Blairstown, NJ 07825

Product Name: AMMONIA INHALANT SOLUTION

MSDS Effective Date: September 10, 2004

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CHEMTREC 24 Hour Emergency Phone: (800) 424-9300 **Note:** The CHEMTREC emergency number is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to JAC at (908) 362-9266.

I. PRODUCT IDENTIFICATION

Manufacturer's Name: James Alexander Corporation **Phone:** (908)362-9266
Emergency Telephone No.: (800)424-9300 (CHEMTREC)

Address: 845 Route 94 Blairstown, NJ 07825

Product Name: AMMONIA INHALANT SOLUTION

Synonyms: N/A

D.O.T. Shipping Name: Air shipments: Flammable Liquid Corrosive NOS, 3- UN 2924, PGII
(Ammonia, ethanol)
Ground shipments: Consumer Commodity- ORM-D

NFPA Ratings: Health - 3 Flammability - 3 Instability - 1

II. HAZARDOUS INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>%</u>	<u>OSHA</u>	<u>ACGIH</u>	
			<u>PEL/TWA</u>	<u>TLV/TWA</u>	<u>TLV/STEL</u>
Ammonia	7664-41-7	17.5	50 ppm	25 ppm	35 ppm
Ethyl Alcohol	64-17-5	37.5	1000 ppm	1000 ppm	Not listed

III. PHYSICAL DATA

Boiling Point: N/A for mixtures **Melting Point:** Unknown

Specific Gravity: 0.891 25/25 **Vapor Pressure:** Unknown

Vapor Density: Unknown **Solubility in water:** Very soluble

% volatiles by vol.: 55% **Evaporation Rate** (Butyl acetate=1): Unknown

Appearance and odor: Clear, pink to light red liquid. Pungent odor of ammonia.

pH: Unknown

IV FIRE & EXPLOSION INFORMATION

Flash Point: Less than 50 degrees F **Test Method:** Pensky Martens Closed Cup
Autoignition temp: Ammonia 1204 degrees F (651°C); Ethyl Alcohol: 685 degrees F (363°C)

Flammable limits in air % by volume: Lower (Unknown) Upper(Unknown)

Extinguishing media: "Alcohol resistant" foam, CO₂ or dry chemical.

MATERIAL SAFETY DATA SHEET

James Alexander Corporation 845 Route 94 Blairstown, NJ 07825

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MSDS Effective Date: September 10, 2004

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Special fire fighting procedures:

NOTE: Individuals should perform only those fire-fighting procedures for which they have been trained.

Remove all sources of ignition. Move exposed containers from fire area if it can be done without risk. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Spray extinguishing media directly into base of flames. Water may be used to keep fire-exposed containers cool.

Unusual fire and explosion hazard: When heated, mixture will give off ammonia gas, a strong irritant to eyes, respiratory tract, and mucous membranes. Other toxic gases produced are oxides of nitrogen, carbon monoxide, carbon dioxide and hydrogen. Closed containers exposed to heat may develop pressure and explode.

Alcohol vapors are heavier than air and may travel a considerable distance to a source of ignition and flash back. Alcohols burn with a pale blue flame which may be extremely hard to see under normal lighting conditions. Personnel may be able to feel the heat of the fire without seeing flames. Extreme caution must be exercised in fighting alcohol fires.

V. HEALTH HAZARD INFORMATION

Primary routes of exposure: Inhalation, eye contact, skin contact, ingestion.

Signs and symptoms of overexposure:

Inhalation: Irritation or burns of the respiratory system, headache, coughing, lung congestion or inflammation, pulmonary edema, breathing difficulty. Headache, dizziness, drowsiness, loss of appetite and an inability to concentrate.

Eye contact: Severe irritation or burns, may lead to blindness.

Skin contact: Local irritation, dry skin, burns.

Ingestion: Burning pain in mouth, throat, constriction of throat, coughing, followed by nausea, vomiting or diarrhea. Ingestion may prove fatal.

Medical Conditions Aggravated by Exposure: Individuals with pre-existing nervous system disorders, skin disorders, eye problems, or impaired respiratory function may be more susceptible to the effects of overexposure.

VI. EMERGENCY AND FIRST AID PROCEDURES

For Inhalation: Remove subject immediately to fresh air. Give artificial respiration if victim is not breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

MATERIAL SAFETY DATA SHEET

James Alexander Corporation 845 Route 94 Blairstown, NJ 07825

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For Eye Contact: Immediately flush eyes with copious amounts of water for at least 15 minutes. Eyelids should be held apart and away from eyeball for thorough rinsing. Do not permit victim to rub eyes. Get immediate medical attention.

For Skin Contact: Immediately flush skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Do not rub or apply ointment to affected area. Obtain medical attention if irritation persists. Wash clothing before re-use.

For Ingestion: Contact a Poison Control Center *immediately*. Do NOT induce vomiting. If conscious, have victim swallow large amounts of water. Do not give anything by mouth to an unconscious or convulsing person. Get *immediate* medical attention.

VII. TOXICITY DATA

None of the components present in this formulation are currently classified as carcinogens in the NTP Annual Report on Carcinogens, IARC Monographs or by OSHA.

VIII. PERSONAL PROTECTION

Storage Requirements: Protect containers from physical damage. Detached or outside storage is preferred. Inside storage should be in an NFPA approved flammable liquids storage room or cabinet. Store in corrosion-proof area at temperatures below 77 degrees F (25°C). Do not store in direct sunlight. Isolate from incompatible materials. Keep containers tightly closed.

Handling Requirements: All ignition sources should be eliminated. Remove closure carefully; internal pressure may be present. Keep closure up to prevent leakage. When contents are being transferred, metallic containers must be bonded to the receiving container and grounded to avoid static discharges. Never use pressure to empty containers. Replace closure carefully after each opening.

Ventilation: Not required for product (JAC unit dose inhalant) use. When handling bulk material, use general or local exhaust ventilation to meet TLV requirements. Where engineering controls are not feasible or sufficient to achieve full conformance with acceptable exposure limits, use NIOSH approved respiratory protection equipment. Care must be taken to assure that any respirator chosen is capable of protecting the user from **both ammonia and ethyl alcohol vapors**. In some cases, a self-contained breathing apparatus may be advisable.

Eye Protection: Not required for product (JAC unit dose inhalant) use. When handling bulk material, always wear gas-tight, splash-proof chemical safety goggles meeting OSHA 29CFR 1910.133 specifications.

Skin Protection: Not required for product (JAC unit dose inhalant) use. Use rubber gloves, protective suit, face shield and overshoes when handling bulk product.

MATERIAL SAFETY DATA SHEET

James Alexander Corporation 845 Route 94 Blairstown, NJ 07825

Product Name: AMMONIA INHALANT SOLUTION

MSDS Effective Date: September 10, 2004

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IX. HAZARDOUS REACTIVITY

Stable at room temperature. Hazardous polymerization will not occur. However, product will react exothermically with acids. Releases ammonia vapor when heated. Ammonia component will decompose to hydrogen and oxides of nitrogen when heated. Carbon monoxide gas may also be produced when heated.

Conditions To Avoid: Sunlight, heat (heating above ambient temperatures causes the vapor pressure of the solution to increase).

Avoid mixing with acids, most common metals, strong oxidizing agents, brass, zinc, chlorine, aluminum, copper, bronze, mercury, dimethyl sulfate and acetyl chloride.

X SPILL, LEAK AND DISPOSAL PROCEDURES

For large spills, stop leak if you can do so without risk. Extinguish all sources of ignition. Wear self-contained breathing apparatus, chemical safety goggles and full protective clothing. Ventilate area. Spilled liquids should be contained and not washed into sewers or ground water. Contain by diking with non-combustible absorbent materials and place residue in DOT approved waste container.

Comply with all applicable local, state and federal regulations on spill reporting, handling and disposal of waste.

Other Precautions: Containers, even those that have been emptied, will retain product residue and vapors. Handle empty containers as if they were full.

Prepared By: David Robinson

Title: Vice President

Date of Initial Preparation: June 1989

Latest Revision Date: September 10, 2004

NOTE: This Material Safety Data Sheet is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, the safe handling of chemical materials. James Alexander Corporation (JAC), expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose with respect to the product or information provided herein.

All information appearing herein is based upon data obtained from the manufacturer(s) and/or recognized technical sources. While the information is believed to be accurate, JAC makes no representations as to its accuracy or sufficiency. Conditions of use are beyond JAC's control and therefore, users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein and does not relate to its use in combination with any other material or in any other process.

**PDI - PROFESSIONAL DISPOSABLES, INC
HEALTHCARE DIVISION OF
NICE-PAK PRODUCTS, INC**

**TWO NICE-PAK PARK
ORANGEBURG NY 10962-1376
845-365-1700**

REVISION DATE: 8/03

I. PRODUCT IDENTIFICATION

PRODUCT/TRADE NAME: ALCOHOL PREP/SWAB - B15901, B33901, B33905, B33907, B92507, C29600, B60301, B99070, B60307, C69900, S84925, S81650, B59800, B33973, B60507, B05507, B80505, B77606, B00707, B05590

HAZARD RATING(NFPA)

HEALTH: 1

FLAMMABILITY: 3

REACTIVITY: 0

SPECIFIC: NONE

EMERGENCY OR INFORMATION TELEPHONE NO: 845-365-1700 (M-F DAYTIME) AT OTHER TIMES, CONTACT THE LOCAL POISON CONTROL CENTER

CHEMICAL NAME: ISOPROPYL ALCOHOL

II. HAZARDOUS INGREDIENTS PER 29 CFR 1910.1200

Hazardous Ingredients	%	ACGIH TLV	CAS NUMBER
2-PROPANOL	70	400 ppm	67-63-0

III. PHYSICAL/CHEMICAL CHARACTERISTICS

COLOR/ODOR/APPEARANCE: TOWELETTE/PAD/SWAB SATURATED WITH CLEAR LIQUID WITH ALCOHOL ODOR..

BOILING POINT: N/A

FLASH POINT: 78^o F

VAPOR DENSITY N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H₂O = 1):N/A

IV. FIRE & EXPLOSION HAZARD DATA

FLASH POINT(Method Used): 78^o F TAG CLOSED CUP : LEL: 2.0 UEL: 12.0

EXTINGUISHING MEDIA: DRY CHEMICAL OR ALCOHOL TYPE FOAM, CARBON DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES: HANDLE AS FLAMMABLE LIQUID. USE RESPIRATORY PROTECTION FOR FIRE FIGHTING PERSONNEL

UNUSUAL FIRE AND EXPLOSION HAZARDS: CLASS 3 FLAMMABILITY

V. REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID NONE

INCOMPATIBILITY: NONE

HAZARDOUS DECOMPOSITION OR BYPRODUCT: NONE

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

ALCOHOL PREP/SWAB

VI. HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE:

SKIN IF RASH APPEARS, DISCONTINUE USE

EYES : WILL CAUSE EYE STING IF SPLASHED

INHALATION: NONE

INGESTION NOT A NORMAL ROUTE OF ENTRY

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: DISCONTINUE USE IF RASH OR IRRITATION OCCURS

EYE CONTACT: FLUSH WITH COLD WATER FOR 15 MINUTES

INHALATION: REMOVE TO FRESH AIR

INGESTION: INDUCE VOMITING. CALL PHYSICIAN

TARGET ORGANS; N/A

VII. SPILL AND DISPOSAL PROCEDURE

SPILL CONTROL: ELIMINATE ALL SOURCES OF IGNITION

WASTE DISPOSAL METHOD: FLUSH SPILLS WITH WATER. HANDLE AS FLAMMABLE LIQUID. FOLLOW LOCAL, STATE AND FEDERAL REGULATIONS.

HANDLING AND STORAGE: STORE AWAY FROM HEAT AND SOURCES OF IGNITION

VIII. CONTROL MEASURES/PROTECTION

RESPIRATION: USE IF PERMISSABLE EXPOSURE LEVEL IS EXCEEDED WHEN HANDLING BULK LIQUID

VENTILATION: RECOMMENDED

PROTECTIVE GLOVES: NONE REQUIRED

EYE PROTECTION: ONLY IF SPLASHING IS EXPECTED

HYGIENIC PRACTICES: GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

OTHER: DON'T ALLOW LARGE QUANTITIES OF WASTE TO ACCUMULATE

IX. TRANSPORT/SHIPPING

DOT SHIPPING NAME: N/A

TECHNICAL SHIPPING NAME: N/A

DOT SHIPPING CLASSIFICATION: DOT-NOT REGULATED

DOT ID NO.: N/A

DOT LABEL REQUIREMENTS: N/A

UN/NA NUMBER REGULATIONS: N/A

REPORTABLE QUANTITY: N/A

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