James Alexander Corporation 845 Route 94 Blairstown, NJ 07825
Product Name: AMMONIA INHALANT SOLUTION

MSDS Effective Date: September 10, 2004

Page 1 of 4

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 spiil, 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 (CHÉMTREC)

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 ----

Component Ammonia Ethyl Alcohol	<u>CAS No.</u> 7664-41-7 64-17-5	<u>%</u> 17.5 37.5	PEL/TWA 50 ppm 1000 ppm	TLV/TWA 25 ppm 1000 ppm	TLV/STEL 35 ppm Not listed
rm) vicous	Q 17-5	21.3	todo bbitt	toon bhui	1404 Hatte

<u>-III. PHYSICAL DATA -----</u>

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 ammonis.

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.

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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 i 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 ammonis 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.

Eve 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.

-- YI. 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 mediaal attention.

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For Eve 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.

<u>For Skin Contact:</u> 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 is duce 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.

-<u>VII. TOXICITY DATA</u> -

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.

--<u>VIII. PERSONAL PROTECTION</u> -

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 vontilation 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 sult, face shield and overshoes when handling bulk product.

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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.

<u>Conditions To Avoid:</u> 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 FOT 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 IAC'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.

they be used to comply with OSHA's Hexard Communication Standard 29 OPR 1910, 1200. Standard stoot be consulted applific regularments.				HINIS H	AZARD N	ATING		ν - 14 (10 (10 (10 (10 (10 (10 (10 (10 (10 (10
	HEALT	Н	2			NEINDISNI =	FICANT	3 = HIGH
	FLAMP	MBILITY	1		•	! = SLIGHT		4 = EXTREME
	REACT	TVITY	0			= MODER		
SAFETEC OF AMERICA		TRANSPORTATION INFORMATION						
		PROPER SHIPPING NAME			Not Regulated			
		D CLASS / PKG. GA		None / N	ion a		REF.	Not Applicable
		IDENTIFICATION NUMBER		None		LABEL	None Required	
SECTION PRODUCT / COMPAN	Y IDENT	IFICATION	.:_			<u>*}-</u>	14 7	
IDENTITY (AS USED ON LABEL AND LIST)							Page 1 of 2	
Safetec Burn Gel TM								
MANUFACTURER'S NAME				EMERGENCY TELEPHONE NUMBER (24 Hours)				
Safetec of America, Inc.				(800):255-3924				
ADDRESS (NUMBER, STREET, P.O. BOX)				TELEPHONE NUMBER FOR INFORMATION				
887 Kensington Avenue @ William L. Gaiter Pkwy.				(718) 895-1822				
(CITY, STATE AND ZIP CODE)				DATE PREPARED September 1, 2004				
Buffalo, NY 14215				SUPERSEDES June 4, 2001			Я	
SECTION 2 - HAZARDOUS INGRED	HENTS /	IDENTITY IN	FO	RMATI	ON		4	11.750
HAZARDOUS COMPONENTS	CAS#	% (wt)		OSHA P	ELISTE	LA	CGIH TL	V/TWA/STEL
(\$PECIFIC CHEMICAL IDENTITY; COMMON NAME(S))		(OPTIONAL)	F	PPM	MG/N	13	PPM	MG/M ³
Lidocaine HCI	108-05-0	2		None Es	tablishe	d	None E	stablished
Menthol 2	216-51-5		1	None Es	tablishe	d	None E	stablished

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 eyellds open; if irritation paralsts, seek medical attention.				
SKIN: Prolonged or repeated skin contact may cause mild imtation.	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 initiation and discomfort, chronic effects are possible with the ingestion of large amounts to the nervous system. Do not use on abreded skin.					
CARCINOGENICITY NO NO additional information	ARC MONOGRAPHS? No OSHA REGULATED? No				
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EX aggravated through prolonged exposure.	POSURE: Preexisting skin or eye disorders may become				

Ports Revised 1/99

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 date sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

MSDS PREPARED BY: Safetoe of America, Inc., 887 Kentington Avenue @ William I. Cuiter Pkwy. . Buffale, NY 14215 (716) \$95-1922
Form Revised 1/99

MATERIAL SAFETY DATA SHEET	Gladus
PDI - PROFESSIONAL DISPOSABLES, INC	
THE HEALTHCARE DIVISION OF	
NICE DAK PRODUCTS INC	•

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

REVISION DATE: 2/05

REID88-1 (SLUAB COMPONENT)

I. PRODUCT IDENTIFICATION

POVIDONE IODINE SWAB/SCRUB/OINTMENT/PREP/SOLUTION PRODUCT/TRADE NAME:

S23125, B40600, B40689, S41350, C12400, S41125, U22725, S41350, T37370, B40701, S48050, S82125, B23600, L57725,

L57770, S41170

HAZARD RATING (NEPA)

HEALTH:

Ô

FLAMMABILITY: 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: MIXTURE

II HAZARDOUS INGREDIENTS PER 29 CFR 1910.1200

ACGIH TLV **CAS NUMBER** Hazardous Ingredients

POVIDONE IODINE COMPLEX 1/2 TO 3

NONE ESTABLISHED 2565 5418

II. PHYSICAL/CHEMICAL CHARACTERISTICS

COLOR/ODOR/APPEARANCE: APPLICATOR SATURATED WITH DARK REDDISH BROWN LIQUID. FAINT IODINE

BBILING POINT:

N/A

FLASH POINT:

> 200°

VAPOR DENSITY

N/A

EXCEBILITY IN WATER SOLUBLE

SPECIFIC GRAVITY (H2O = 1):N/A

IV FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method Used): N/A

LEL: N/A UEL: N/A

EXTINGUISHING MEDIA:

ANY.

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS: MAY EMIT TOXIC FUMES OF IODINE IN A FIRE

V-REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID N/A

INCOMPATIBILITY: ALKALIS AND REDUCING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: EMITS IDDINE VAPORS AT HIGH TEMPERATURES

POLYMERIZATION: WILL NOT OCCUR CONDITIONS TO AVOID: NONE KNOWN

POVIDONE IODINE SWAB/SCRUB, OINTMENT, PREP, SOLUTION

VI-HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE:SKIN MAY CAUSE IRRITATION

EYES: MAY BE IRRITATING

INHALATION: NONE INGESTION HARMFUL

EMERGENCY AND FIRST AID PROCEDURES.

SKIN CONTACT:

DISCONTINUE USE IF RASH OR IRRITATION IS NOTED

EYE CONTACT:

FLUSH WITH COOL WATER FOR 15 MINUTES

INHALATION:

NONE

N/A

INGESTION:

DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION

TARGET ORGANS;

VII-SPILL AND DISPOSAL PROCEDURE

USE ABSORBENT MATERIAL AND DISPOSE PER LOCAL REGULATIONS SPILL CONTROL:

WASTE DISPOSAL METHOD: FOLLOW LOCAL, STATE AND FEDERAL REGULATIONS.

HANDLING AND STORAGE: AVOID STORING AT EXTREME TEMPERATURES

VIII-CONTROL MEASURES/PROTECTION

KESPIRATION: NONE VENTILATION: NONE

PROTECTIVE GLOVES: IF HANDLING LIQUID EYE PROTECTION: IF SPLASHING IS A HAZARD

HYGIENIC PRACTICES: GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

WEAR APRON TO PROTECT CLOTHING OTHER:

IX TRANSPORT/SHIPPING

DOT SHIPPING NAME: TECHNICAL SHIPPING NAME: DOT SHIPPING CLASSIFICATION: DOT NOT REGULATED DOT ID NO .: DOT LABEL REQUIREMENTS: UN/NA NUMBER REGULATIONS: REPORTABLE QUANTITY:

X DISCLAIMER

THE INFORMATION FURNISHED HEREIN IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST DATA CURRENTLY AVAILABLE TO US. NO WARRANTY, EXPRESSED OR IMPLIED IS MADE AND NICE-PAK PRODUCTS. INC. ASSUMES NO LEGAL RESPONSIBILITY OR LIABILITY RESULTING FROM ITS USE.

EYE WASH (OCUWASH)

MSDS EW 01

Effective Date: 12/01/07

PRODUCT AND COMPANY INFORMATION - SECTION 1

PRODUCT:

Eye wash (OCUWASH)

MANUFACTURER/

OcuVent, LLC

DISTRIBUTORS:

ADDRESS:

485 Devon Park Drive, Suite 111

Wayne, PA 19087

PHONE:

561-296-1901

PRODUCT NAME: INTENDED USE:

OCUWASH (1 oz, 16 oz, 32 oz)

For flushing the eyes and skin to reduce chances of

severe injury caused by loose foreign material, air

pollutants, acids and alkali.

MATERIAL IDENTIFICATION AND INFORMATION - SECTION 2

ACTIVE INGREDIENT:

Purified Water (98%)

INACTIVE INGREDIENTS.

Edentate Disodium Dihydrate, Sodium Chloride,

Sodium Phosphate Dibasic, and Sodium Phosphate

Monobasic.

PHYSICAL AND CHEMICAL CHARACTERISTICS - SECTION 3

PHYSICAL STATE:

Liquid

APPEARANCE AND ODOR:

Clear, water like liquid with no discernable odor/

odorless

PH:

6.9-7.4

VAPOR DENSITY:

Not determined

BOILING POINT:

200°F (93.3°C)

MEETING POINT:

N/A

SPECIFIC GRAVITY:

Not determined

WATER REACTIVITY:

None

SOLUBILITY IN WATER:

Highly soluble

HAZARDS IDENTIFICATION - SECTION 4

PRECAUTIONS;

This is an aqueous solution intended to use as a general eye and skin flush. If any discomfort develops, immediately discontinue using this product. If discomfort persists contact your eye care professional. Use in accordance with product literature.

If you are allergic to any of ingredients above DO NOT USE.

EMERGENCY OVERVIEW:

The product applicable to this MSDS is stable, safe and presents no immediate or long-term health hazard IF USED ACCORDING TO INSTRUCTION. However, abnormal

entry may require immediate medical attention.

EYE WASH (OCUWASH)

MSDS EW 01

Effective Date, 12/01/07

POTENTIAL HEALTH EFFECTS - SECTION 5

EYE CONTACT:

Non-irritating to the eyes when used as directed.

SKIN CONTACT:

Non-irritating to the skin and mucous when used as

directed.

INHALATION:

No hazards.

INGESTION:

Ingestion of volumes in excess of 20 liters may cause

gastrie irritation. Call a physician or Poison Control Center

for help.

CHRONIC HEALTH

No known chronic hazards.

ETTECTS:

FIRE and EXPLOSION MEASURES - SECTION 6

HEALTH

FIRE

REACTIVITY

N/A

OTHER

0

0

0

0

FLASHPOINT:

N/A (non-combustible)

METHOD USED:

N/A

FLAMMABILITY LIMITS:

N/A

Unusual Fire and Explosion Hazards: Special fire fighting instruction:

This is a non-flammable aqueous solution. As in any fire, wear self-

solution. As in any tire, wear selfcontained breathing apparatus and

full protective gear.

ACCIDENTAL RELEASE MEASURES - SECTION 7

Flush the area with water. The solution is not a RCRA hazardous list substance.

HANDLING & STORAGE - SECTION 8

No special handling is required. Store at room temperature to maintain product integrity. Do not expose to excessive heat and cold.

EXPOSURE CONTROLS/PERSONAL PROTECTION - SECTION 9

EYE PROTECTION:

No special control or personal protection

required

SKIN PROTECTION:

Not required

RESPIRATORY PROTECTION:

Not required

VENTILATION:

N/A

PROTECTIVE CLOTHING OR

Not required

EQUIPMENT:

EMERGENCY FIRST AID

SEEK MEDICAL ASSISTANCE FOR

PROCEDURE:

TREATMENT, OBSERVATION AND SUPPORT IF NECESSARY.

SULFORT IF NECES

STABILITY & REACTIVITY - SECTION 10

This product is stable and considered non-reactive under normal conditions of storage and usage.

EYE WASH (OCUWASH)

MSDS EW 01

Effective Date: 12:01:07

TOXICOLOGICAL INFORMATION - SECTION 11

No acute or chronic toxic effects expected when used according to directions.

ECOLOGICAL INFORMATION SECTION 12

No ecological impacts are to be considered when used according to directions. No data available on the environmental impact of this product.

DISPOSAL CONSIDERATIONS - SECTION 13

This solution is not on hazard lists so follow normal solution disposal rules. All disposal methods must be in compliance with local laws and regulations.

OTHER INFORMATION - SECTION 14

Final determination of suitability of any material is the sole responsibility of the users. All materials may present unknown hazards depending upon the person and should be used with caution.