U.S. DEPARTMENT OF LABOR

Occupational Safety and Health Administration

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard.
29CFR 1910.1200. Standard must be consulted for specific requirements.

SECTION I		
MANUFACTURER'S NAME/REPACKAGED BY: **The Triad Group / Certified Safety Manufacturing Company, Inc.**	TELEPHONE NO. **(816) 483-9090**	
ADDRESS: **1400 Chestnut Avenue Kansas City, Missouri 64127**		
IDENTITY (AS USED ON LABEL): ***Antiseptic BZK Towelettes***	DATE PREPARED: 09/29/10	DATE REVIEWED:

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION				
HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s)):	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Benzalkonium Chloride	0.4%	None established		
THIS PRODUCT IS PRODUCED AS A HEALTH CARE ITEM "FOOD, DRUG OR COSMETIC,				
INTENDED FOR PERSONAL CONSUMPTION BY EMPLOYEES WHILE IN THE WORKPLACE"				
TO WHICH THE HAZARDOUS COMMUNICATIONS REQUIREMENTS OF; 29CFR1910.1200				
(A) & (B) DO NOT APPLY, AS SPECIFICALLY STATED IN 29CFR 1910.1200 (B) (5) (V)				

SECTION III – PHYSICAL DATA			
BOILING POINT (ºF):	212º F	**SPECIFIC GRAVITY (H_20= 1):**	1.0
VAPOR PRESSURE (mm Hg.):	N/A	**MELTING POINT:**	N/A
VAPOR DENSITY (AIR=1)	N/A	**EVAPORATION RATE (Butyl Acetate=1):**	1
SOLUBILITY IN WATER:	Soluble		
APPEARANCE AND ODOR: Clear, colorless with characteristic Benzalhyde odor			

SECTION IV – FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT (Method used): >200º F	**FLAMMABLE LIMITS:** **LEL:** N/A **UEL:** N/A
EXTINGUISHING MEDIA: water, dry chemical or CO_2 ,alcohol foam	
SPECIAL FIRE FIGHTING PROCEDURES: Flood with water	
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A	

SECTION V – REACTIVITY DATA			
STABILITY:	STABLE	√	**CONDITIONS TO AVOID: N/A**
	UNSTABLE		
INCOMPATABILITY (*Materials to avoid*): Strong oxidizers. acids and alkalies			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon Monoxide, Carbon Dioxide, toxic products of combustion.			
HAZARDOUS POLYMERIZATION:	**MAY OCCUR**		**CONDITIONS TO AVOID:** N/A
	WILL NOT OCCUR	√	

SECTION VI – HEALTH HAZARD DATA
ROUTE(S) OF ENTRY: **INHALATION?**: N/A **SKIN?**: N/A **INGESTION?**: N/A
HEALTH HAZARDS (Acute and Chronic): INHALATION: May be irritating to the upper respiratory tract. **SKIN**:
Can cause irritation of skin. **EYES**: Can cause irritation of the eyes.
CARCINOGENICITY: NTP?: N/A **IARC Monographs?:** N/A **OSHA Regulated?:** N/A
EFFECTS OF OVEREXPOSURE: None expected from normal use.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Sensitive or inflamed skin may become
irritated.
EMERGENCY AND FIRST AID PROCEDURES: **Eye Contact:** Flush with copious amounts of water **Skin Contact:**
Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation persists.
Inhalation: Remove to fresh air. Seek medical attention if difficulty breathing occurs.

SECTION VII – SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb liquid with absorbent material.
Wear gloves.
WASTE DISPOSAL METHOD: Normal disposal methods allowed by local, state and federal regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION		
VENTILATION:	LOCAL EXHAUST: Recommended	SPECIAL: N/A
	MECHANICAL (*General)*: Recommended	OTHER: N/A
PROTECTIVE GLOVE: Chemical resistant gloves **EYE PROTECTION:** Safety glasses/Goggles: Use eye bath if		
eye contact occurs.		
OTHER PROTECTIVE EQUIPMENT: Any protective equipment or clothing that will minimize contact with this		
material.		

SECTION IX – SPECIAL PRECAUTIONS
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store away from incompatible materials.
OTHER PRECAUTIONS: Keep out of the reach of children.

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SECTION I		
MANUFACTURER'S NAME/REPACKAGED BY: **Nice-Pak Products, Inc. / Certified Safety Mfg., Inc.**	TELEPHONE NO. **(816) 483-9090**	
ADDRESS: **1400 Chestnut Avenue Kansas City, Missouri 64127**		
IDENTITY (AS USED ON LABEL): ***Insect Sting Wipe***	DATE PREPARED: 12/04/08	DATE REVIEWED:

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

In accordance with 29 CFR §1910.1200 (i)(1) the specific chemical identity of this product is being withheld as a trade secret.

HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s)):

		%	OSHA PEL	ACGIH TWA	OTHER LIMITS RECOMMENDED
SD Alcohol 40	CAS#64-17-5	60%			ACGIH TLV/STEL 1000ppm
Benzocaine	CAS#94-09-7	6%	NOT ESTABLISHED		

THIS PRODUCT IS PRODUCED AS A HEALTH CARE ITEM "FOOD, DRUG OR COSMETIC, INTENDED FOR PERSONAL CONSUMPTION BY EMPLOYEES WHILE IN THE WORKPLACE" TO WHICH THE HAZARDOUS COMMUNICATIONS REQUIREMENTS OF; 29CFR1910.1200 (A) & (B) DO NOT APPLY, AS SPECIFICALLY STATED IN 29CFR 1910.1200 (B) (5) (V)

SECTION III – PHYSICAL DATA			
BOILING POINT (ºF):	N/A	**SPECIFIC GRAVITY (H_20= 1):**	0.905
VAPOR PRESSURE (mm Hg.):	Unknown	**MELTING POINT:**	Unknown
VAPOR DENSITY (AIR=1):	N/A	**EVAPORATION RATE: (Butyl Acetate =1)**	N/A
SOLUBILITY IN WATER:	Complete	**% volatiles by Weight:**	29%
PH:	Unknown		
APPEARANCE AND ODOR:	Towelette/pad saturated with clear colorless liquid with alcohol odor		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT (Method used): 82 º F Closed Cup	**FLAMMABLE LIMITS** **LEL:** N/A **UEL:** N/A
EXTINGUISHING MEDIA: "Alcohol Resistant" foam, CO_2, or dry chemical.	
SPECIAL FIRE FIGHTING PROCEDURES: Handle as flammable liquid.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: Respiratory protection required for fire fighting personnel.	

SECTION V – REACTIVITY DATA				
STABILITY:	**STABLE**	√	**CONDITIONS TO AVOID:** None known	
INCOMPATABILITY (*Materials to avoid*): None known				
HAZARDOUS POLYMERIZATION:	**MAY OCCUR**		**CONDITIONS TO AVOID:** None known	
	WILL NOT OCCUR	√		
HAZARDOUS DECOMPOSITION PRODUCTS: None known				

SECTION VI – HEALTH HAZARD DATA
SIGNS AND SYMPTOMS OF OVEREXPOSURE: Inhalation: None known **Skin Contact:** Topically Applied
Eye Contact: Will sting if splashed in eyes **Ingestion: None**
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing skin disorders, eye problems,
or impaired respiratory function may be more susceptible to the effects of overexposure.
EMERGENCY AND FIRST AID PROCEDURES: **Inhalation:** None **Eye Contact:** Rinse with cool water
For Skin Contact: If rash or irritation develop, discontinue use. **For Ingestion:** If ingested, seek medical attention

SECTION VII – SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all sources of ignition. Absorb
with absorbent material.
WASTE DISPOSAL METHOD: Per local, state and federal regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION	
RESPIRATORY PROTECTION (*Specify type)*: None required	
PRECAUTIONARY STATEMENTS: If unusual pain or swelling develops, discontinue use and consult a physician.	
VENTILATION: None required	
PROTECTIVE GLOVE: Yes for bulk liquid	**EYE PROTECTION:** Yes for bulk liquid.
OTHER PROTECTIVE EQUIPMENT: Follow good housekeeping practices.	

SECTION IX – SPECIAL PRECAUTIONS
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Storage Requirements: Store in tightly closed
containers away from heat and sources of ignition.

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SECTION I		
MANUFACTURER'S NAME/REPACKAGED BY: **James Alexander/Certified Safety Mfg., Inc.**	TELEPHONE NO. **(816) 483-9090**	
ADDRESS: **1400 Chestnut Avenue Kansas City, Missouri 64127**		
IDENTITY (AS USED ON LABEL): ***Ammonia Inhalant Ampoule***	DATE PREPARED: 10/06/2010	DATE REVIEWED:

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION					
HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s)):					
		%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Ammonia	CAS# 7664-41-7	17.5%	50ppm	25ppm	TLV/STEL 35ppm
Ethanol	CAS# 64-17-5	37.5%	1000ppm	1000ppm	Not Listed
THIS PRODUCT IS PRODUCED AS A HEALTH CARE ITEM "FOOD, DRUG OR COSMETIC,					
INTENDED FOR PERSONAL CONSUMPTION BY EMPLOYEES WHILE IN THE WORKPLACE"					
TO WHICH THE HAZARDOUS COMMUNICATIONS REQUIREMENTS OF; 29CFR1910.1200					
(A) & (B) DO NOT APPLY, AS SPECIFICALLY STATED IN 29CFR 1910.1200 (B) (5) (V)					

SECTION III – PHYSICAL DATA			
BOILING POINT (ºF):	N/A for mixtures	**SPECIFIC GRAVITY (H_20= 1):**	0.891 25/25
VAPOR PRESSURE (mm Hg.):	Unknown	**MELTING POINT:**	Unknown
VAPOR DENSITY (AIR=1)	Unknown	**EVAPORATION RATE (Butyl Acetate=1):**	Unknown
SOLUBILITY IN WATER:	Very Soluble	**% VOLATILES BY VOL.:**	55%
pH	Unknown		
APPEARANCE AND ODOR: Clear, pink to light red liquid. Pungent ammonia odor .			

SECTION IV – FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT (Method used): <50ºF (closed cup)	**FLAMMABLE LIMITS:** **LEL:** Unknown **UEL:** Unknown
AUTOIGNITION TEMP: Ammonia 1204º F (651ºC); Ethyl Alcohol: 685º F (363ºC)	
EXTINGUISHING MEDIA: "Alcohol resistant" foam, CO_2 or dry chemical.	
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 HAZARDS: 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.	

SECTION V – REACTIVITY DATA			
STABILITY:	**STABLE**	√	**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.
	UNSTABLE		
HAZARDOUS POLYMERIZATION:	**MAY OCCUR**		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.
	WILL NOT OCCUR	√	

SECTION VI – HEALTH HAZARD DATA
ROUTE(S) OF ENTRY: 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 GENERALLY 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.
EMERGENCY AND FIRST AID PROCEDURES: **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.
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

SECTION VII – SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: 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.
WASTE DISPOSAL METHOD: 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.

SECTION VIII – SPECIAL PROTECTION INFORMATION
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 77ºF (25ºC). 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.