

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**

<b>MANUFACTURER'S NAME/REPACKAGED BY:</b> <b>ARI / Certified Safety Manufacturing, Inc.</b>	<b>TELEPHONE NO.</b> <b>(816) 483-9090</b>
<b>ADDRESS:</b> <b>1400 Chestnut Avenue Kansas City, Missouri 64127</b>	
<b>IDENTITY (AS USED ON LABEL):</b> <b>Antiseptic BZK Spray</b>	<b>DATE PREPARED:</b> 12/23/09
	<b>DATE REVIEWED:</b>

**SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<b>HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s)):</b>				
	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Lidocaine, U S P	CAS# 137-58-6	2.5%		
Benzalkonium Chloride	CAS#68424-85-1 / 64-17.5	0.15%		1000ppm
Isopropyl Alcohol	CAS #67-63-0	50.0%		
Purified Water		47.0%		
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**

<b>BOILING POINT (°F):</b>	108° F	<b>SPECIFIC GRAVITY (H<sub>2</sub>O= 1):</b>	1.0 @20
<b>VAPOR PRESSURE (mm Hg.):</b>	33 mm Hg	<b>pH:</b>	N/A
<b>VAPOR DENSITY (AIR=1)</b>	N/A	<b>EVAPORATION RATE (Butyl Acetate=1):</b>	N/A
<b>SOLUBILITY IN WATER:</b>	Completely Miscible	<b>% VOLATILES BY VOL.</b>	50.0%
<b>APPEARANCE AND ODOR:</b> Colorless liquid, medicinal odor analogous to rubbing alcohol			

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

<b>FLASH POINT (Method used):</b> >200° F (TAG Closed Cup)	<b>FLAMMABLE LIMITS:</b> LEL: 4% UEL: 24%
<b>EXTINGUISHING MEDIA:</b> Alcohol type foam, water spray, water fog, dry chemical or CO <sub>2</sub>	
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Water may be ineffective. Water can be used to cool and protect exposed material however may not be capable of extinguishing the fire unless under favorable conditions by experienced fire fighters trained in fighting all types of flammable liquid fires.	
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> Burning liquid may float on water.	

**SECTION V – REACTIVITY DATA**

<b>STABILITY:</b>	STABLE	√	<b>CONDITIONS TO AVOID:</b> Do not incinerate or store above 120° F. Flammable. Keep away from heat source.
	UNSTABLE		
<b>INCOMPATABILITY (Materials to avoid):</b> Strong oxidizing agents			
<b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS:</b> Oxides of carbon, aldehydes, and acids.			
<b>HAZARDOUS POLYMERIZATION:</b>	MAY OCCUR		<b>CONDITIONS TO AVOID:</b> None Known
	WILL NOT OCCUR	√	

**SECTION VI – HEALTH HAZARD DATA**

**ROUTE(S) OF ENTRY:**    **INHALATION?:** Yes    **SKIN?:** yes    **INGESTION?:** Not normal route  
**EFFECTS OF OVEREXPOSURE:** **Skin:** Mildly irritating    **Eyes:** Spray can cause pain and general inflammation  
**Inhalation:** May irritate upper respiratory tract and cause numbness    **Ingestion:** May cause irritation and vomiting  
**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Based on available data, repeated exposures are not anticipated to cause any significant adverse effects.  
**EMERGENCY AND FIRST AID PROCEDURES:** **Skin Contact:** Wash areas with soap and water.    **Eye Contact:** Flush with large amounts of water, lifting upper lids.    **Ingestion:** Rinse mouth, and consult a physician.  
**Inhalation:** Remove to fresh air.

**SECTION VII – SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** **Neutralizing Chemical:** Flush spill area with water.  
**WASTE DISPOSAL METHOD:** Dispose of in accordance with state, local and federal regulations.

**SECTION VIII – SPECIAL PROTECTION INFORMATION**

<b>VENTILATION:</b>	LOCAL EXHAUST: <input checked="" type="checkbox"/>	SPECIAL: None
	MECHANICAL ( <i>General</i> ): None	OTHER: None
<b>VENTILATION REQUIREMENTS:</b>	Good general ventilation should be sufficient for most conditions.	
<b>PROTECTIVE GLOVE:</b> N/A	<b>EYE PROTECTION:</b> Goggles: Use eye bath if eye contact occurs.	
<b>OTHER PROTECTIVE EQUIPMENT:</b> N/A		

**SECTION IX – SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store away from ignition sources such as heat, sparks, open flame, etc.

**OTHER HANDLING AND STORAGE REQUIREMENTS:** Store in well-ventilated areas, away from heat, direct sunlight, and sources of ignition. Keep away from oxidizing agents. Install protective caps for shipment.

THIS INFORMATION AND RECOMMENDATIONS HEREIN ARE TAKEN FROM SOURCES BELIEVED TO BE ACCURATE AS OF THE DATE, HOWEVER CERTIFIED SAFETY MAKES NO WARRANTY WITH RESPECT TO THE ACCURACY OF THIS INFORMATION OR THE SUITABILITY OF THE RECOMMENDATIONS, AND ASSUMES NO LIABILITY TO ANY USE THEREOF.....