

# 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

HEALTH	0	0 = INSIGNIFICANT	3 = HIGH
FLAMMABILITY	3	1 = SLIGHT	4 = EXTREME
REACTIVITY	0	2 = MODERATE	

## SAFETEC OF AMERICA

### TRANSPORTATION INFORMATION

PROPER SHIPPING NAME	Flammable liquid, n.o.s. (Ethanol)		
HAZARD CLASS / PKG. GRP.	3 / III	REF.	173.150(b)(c)
IDENTIFICATION NUMBER	NA1993	LABEL	None Required Ground

## SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)	Page 1 of 2
<b>p.a.w.s. Personal Antimicrobial Wipe</b>	
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
1055 East Delavan Avenue	(716) 895-1822
(CITY, STATE AND ZIP CODE)	DATE PREPARED
Buffalo, NY 14215	January 11, 1999
	SUPERSEDES
	December 3, 1998

## 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 <sup>3</sup>	PPM	MG/M <sup>3</sup>
Ethyl Alcohol	64-17-5	35 - 45	1000 (PEL)		1000 (TLV)	
Chloroxylenol	88-04-0	0.44 - 0.56	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
INHALATION: Brief (minutes) inhalation will not cause adverse effects, although, constant inhalation may cause irritation to upper respiratory tract.	Remove victim to fresh air; provide oxygen if breathing is difficult; seek medical attention if required.
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.
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. Vomiting may be induced only under the supervision of a physician.
HEALTH HAZARDS (ACUTE AND CHRONIC): Acute effects are possible irritation and discomfort; no known chronic effects have been established.	
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.	

**p.a.w.s. Personal Antimicrobial Wipe**

**SECTION 4 - FIRE FIGHTING MEASURES**

FLASH POINT (METHOD USED) 97°F (TOC)	FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component) LEL: 3.3 UEL: 19
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EXTINGUISHING MEDIA  
Dry chemicals, alcohol-type or all-purpose foam, CO<sub>2</sub>

SPECIAL FIRE FIGHTING PROCEDURES  
Use water spray to cool fire-exposed containers and structures. Use water spray to disperse vapors; re-ignition is possible

UNUSUAL FIRE AND EXPLOSIVE HAZARDS  
Flammable material. Toxic gases (such as carbon monoxide and formaldehyde) may be released in a fire. 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  
Remove all sources of ignition. Small spills may be flushed with large amounts of water; larger spills should be collected 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. Avoid inhalation of high concentration of vapors. 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): Yes
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 174.6°F	SPECIFIC GRAVITY (WATER=1) 0.942
VAPOR PRESSURE (mm Hg) No data	MELTING POINT Not applicable
VAPOR DENSITY (AIR=1) 1.59 (ALC.)	pH 3.8 - 6.4
SOLUBILITY IN WATER Slight	EVAPORATION RATE (n-BUTYL ACETATE=1) 1.7 (ALC.)
APPEARANCE AND ODOR Off-white, premoistened towelette; mild fresh fragrance	% VOLATILES (BY WEIGHT) 68.75

**SECTION 8 - STABILITY AND REACTIVITY**

STABILITY UNSTABLE: STABLE: XXX	CONDITIONS TO AVOID Extreme temperatures; sources of ignition
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INCOMPATIBILITIES (MATERIALS TO AVOID)  
Strong oxidizers; strong acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS  
Decomposition will not occur if handled / stored properly. Thermal decomposition may emit typical products of combustion.

HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: XXX	CONDITIONS TO AVOID Heat
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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**

IDENTITY (AS USED ON LABEL AND LIST)

**RED Z™**

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Date: September 1, 2004

**SECTION 4 - FIRE FIGHTING MEASURES**

FLASH POINT (METHOD USED) Not Applicable	FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component) LEL: Not Applicable UEL: Not Applicable
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EXTINGUISHING MEDIA  
Water, water spray, water fog

SPECIAL FIRE FIGHTING PROCEDURES  
Use water spray to cool fire-exposed containers and structures. Wear NIOSH/MSHA approved self contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS  
Spilled material swells and becomes extremely slippery when wet. Use standard safety precautions for finely divided powders. Thermal decomposition may emit chlorine containing substances.

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

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED  
In case of accidental spills, provide adequate ventilation; avoid generating dust. Vacuum (using HEPA filter equipped system) if possible to avoid generating airborne dust. Place spilled material into a clean, dry container for disposal. Do not close disposal containers containing wet or damp material; they should be left open to disperse any chlorine gas that may form.

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. Keep this and other chemicals out of reach of children.

**SECTION 6 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

RESPIRATORY PROTECTION Use NIOSH/MSHA approved or equivalent with high efficiency filter for particulate levels above 0.05mg/m <sup>3</sup>	VENTILATION LOCAL EXHAUST: Recommended MECHANICAL (GENERAL): As appropriate
PROTECTIVE GLOVES Impervious/chemical resistant	EYE PROTECTION Safety glasses
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 Not applicable	BULK DENSITY 43.7 – 51.8 lb./cu. ft.
VAPOR PRESSURE (mm Hg) Not applicable	MELTING POINT >482°F (partial to full decomposition)
VAPOR DENSITY (AIR=1) Not applicable	pH No data
SOLUBILITY IN WATER Slight	EVAPORATION RATE (n-BUTYL ACETATE=1) Not applicable
APPEARANCE AND ODOR Off-white, granular powder; slight chlorine odor	% VOLATILES (BY WEIGHT) Not applicable

**SECTION 8 - STABILITY AND REACTIVITY**

STABILITY UNSTABLE: STABLE: XXX	CONDITIONS TO AVOID High humidity, extreme temperatures
INCOMPATIBILITIES (MATERIALS TO AVOID) Strong reducing agents.	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS Decomposition will not occur if handled / stored properly. Thermal decomposition may emit toxic substances.	
HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: XXX	CONDITIONS TO AVOID None known

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**MATERIAL SAFETY DATA SHEET FOR Sani-Cloth  
PDI - PROFESSIONAL DISPOSABLES INTERNATIONAL  
THE HEALTHCARE DIVISION OF NICE-PAK PRODUCTS, INC  
TWO NICE-PAK PARK  
ORANGEBURG NY 10962-1376  
845-365-1700**

**REVISION DATE: 7/00**

**I. PRODUCT IDENTIFICATION**

PRODUCT/TRADE NAME: SANI CLOTH GERMICIDAL DISPOSABLE CLOTH Q77272, Q28572, Q65484

HEALTH: 0

FLAMMABILITY: 2

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: PROPRIETARY MIXTURE

**II. HAZARDOUS INGREDIENTS PER 29 CFR 1910.1200**

Hazardous Ingredients	%	ACGIH TLV	CAS NUMBER
ISOPROPYL ALCOHOL	8	400 ppm	67-63-0
QUATERNARY AMMONIUM CMPD	LESS THAN 1	N/A	27479-28-3

**III. PHYSICAL/CHEMICAL CHARACTERISTICS**

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

BOILING POINT: 181° F

FLASH POINT: 103° F

VAPOR DENSITY: N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H<sub>2</sub>O = 1):.983

**IV FIRE & EXPLOSION HAZARD DATA**

FLASH POINT(Method Used): 103° F TAG CLOSED CUP LEL:N/A UEL:N/A

EXTINGUISHING MEDIA: WATER, FOAM

SPECIAL FIRE FIGHTING PROCEDURES: TREAT PRODUCT AS COMBUSTIBLE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

**V-REACTIVITY DATA**

STABILITY: STABLE

INCOMPATIBILITY: ANIONIC SURFACTANT, SOAPS

HAZARDOUS DECOMPOSITION OF BYPRODUCT: NONE

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE KNOWN

PRODUCT DOES NOT REACT WITH FORMALDEHYDE

**VI-HEALTH HAZARD DATA**

EFFECTS OF OVER EXPOSURE:

SKIN: MAY CAUSE SKIN IRRITATION

EYES: MAY CAUSE IRRITATION

INHALATION: NOT NORMAL ROUTE OF ENTRY

INGESTION: NOT NORMAL ROUTE OF ENTRY

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: IF RASH OR IRRITATION DEVELOPS, DISCONTINUE USE

EYE CONTACT: FLUSH WITH COOL WATER FOR 15 MINUTES

INHALATION: REMOVE TO FRESH AIR

INGESTION: CONSULT PHYSICIAN

TARGET ORGANS: NONE KNOWN

KNOWN CARCINOGEN: NONE KNOWN

**VII-SPILL AND DISPOSAL PROCEDURE**

SPILL CONTROL: PICK UP WITH ABSORBENT

WASTE DISPOSAL METHOD: TREAT AS FLAMMABLE LIQUID. OBEY LOCAL, STATE AND FEDERAL REGULATIONS

HANDLING AND STORAGE: AVOID HIGH HEAT AND SOURCES OF IGNITION

**VIII-CONTROL MEASURES/PROTECTION**

RESPIRATION: USE NIOSH APPROVED RESPIRATOR WHEN HANDLING BULK LIQUID IF EXPOSURE LEVEL IS EXCEEDED

VENTILATION: RECOMMENDED

PROTECTIVE GLOVES: RECOMMENDED

EYE PROTECTION: IF SPLASHING MAY OCCUR

HYGIENIC PRACTICES: FOLLOW GOOD HOUSEKEEPING PRACTICES

OTHER: NONE

**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.

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Professional Disposables International  
Two Nice-Pak Park, Orangeburg, NY 10962  
845-365-1700 / Email: [info@pdipdi.com](mailto:info@pdipdi.com)  
Canada 800-263-7067 / Europe 441-352-763-511

# 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

HEALTH	1	0 = INSIGNIFICANT	3 = HIGH
FLAMMABILITY	0	1 = SLIGHT	4 = EXTREME
REACTIVITY	0	2 = MODERATE	

## SAFETEC OF AMERICA

### TRANSPORTATION INFORMATION

PROPER SHIPPING NAME	Not Regulated		
HAZARD CLASS / PKG. GRP.	None / None	REF.	Not Applicable
IDENTIFICATION NUMBER	None	LABEL	None Required

## SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)

Page 1 of 2

### SaniZide Plus™ Germicidal Solution

MANUFACTURER'S NAME

Safetec of America, Inc.

ADDRESS (NUMBER, STREET, P.O. BOX)

1055 East Delavan Avenue

(CITY, STATE AND ZIP CODE)

Buffalo, NY 14215

EMERGENCY TELEPHONE NUMBER (24 Hours)

(800) 255-3924

TELEPHONE NUMBER FOR INFORMATION

(716) 895-1822

DATE PREPARED

January 25, 1999

SUPERSEDES

Not Applicable

## SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	% (wt.) (OPTIONAL)	ACGIH TLV/TWA/STEL	
			PPM	MG/M <sup>3</sup>
Alkyl-dimethyl-benzyl-ammonium chloride	68391-01-5	0.105	None Established	None Established
Alkyl-dimethyl-ethyl benzyl-ammonium chloride	68956-79-6	0.105	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
INHALATION: Brief (minutes) inhalation will not cause adverse effects, although, constant inhalation may cause irritation to upper respiratory tract.	Remove to fresh air; provide oxygen if breathing is difficult; seek medical attention if required.
EYES: Brief contact to liquid or vapors may cause moderate irritation; prolonged contact may cause severe irritation associated with burning and redness.	Flush eyes with clear running water for a minimum of 25 minutes while holding eyelids open; if irritation persists, seek medical attention.
INGESTION: Ingestion of this product may cause gastrointestinal irritation, nausea, vomiting and diarrhea.	DO NOT induce vomiting; seek immediate medical attention. Vomiting may be induced only under the supervision of a physician.
SKIN: Prolonged contact with skin may cause skin irritation.	Wash contaminated skin with mild soap and water; if irritation occurs and persists, seek medical attention.

HEALTH HAZARDS (ACUTE AND CHRONIC): Acute effects are possible irritation and discomfort; no known chronic effects have been established.

CARCINOGENICITY

NTP? No

IARC MONOGRAPHS? No

OSHA REGULATED? No

No additional information

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin disorders may become aggravated through prolonged exposure.

**SECTION 4 - FIRE FIGHTING MEASURES**

FLASH POINT (METHOD USED) >201°F (SETA)	FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component) LEL: Not Applicable UEL: Not Applicable
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**EXTINGUISHING MEDIA**

Carbon dioxide (CO<sub>2</sub>), water, dry chemicals, synthetic foam. Type BC or ABC extinguishers.

**SPECIAL FIRE FIGHTING PROCEDURES**

Use self-contained breathing apparatus for maximum respiratory protection. Use water spray to cool fire-exposed containers and structures.

**UNUSUAL FIRE AND EXPLOSIVE HAZARDS**

Vapors can be heavier than air. Liquid may react with aluminum to form hydrogen which is explosive if ignited.

**SECTION 5 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES****STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED**

Provide adequate ventilation. Spills should be collected with approved inert absorbent for disposal. Use suitable disposal containers. Material collected with absorbent may be disposed of in a permitted landfill. Report per regulatory requirements.

**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, ventilated area away from possible sources of ignition. The recommended storage temperature is between 50 and 120°F. Keep this and other chemicals out of reach of children.

**SECTION 6 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

RESPIRATORY PROTECTION Ordinarily, none required	VENTILATION LOCAL EXHAUST: Recommended MECHANICAL (GENERAL): Not required
PROTECTIVE GLOVES Use impervious gloves to prevent prolonged contact.	EYE PROTECTION Safety glasses recommended.
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 200°F	SPECIFIC GRAVITY (WATER=1) 1.01
VAPOR PRESSURE (mm Hg) Not determined	MELTING POINT Not applicable
VAPOR DENSITY (AIR=1) >1	pH 11 - 12
SOLUBILITY IN WATER Complete	EVAPORATION RATE (n-BUTYL ACETATE=1) Not determined
APPEARANCE AND ODOR Clear, slight pale yellow liquid; mild fresh odor	RVOC, U.S. EPA (%) 0

**SECTION 8 - STABILITY AND REACTIVITY**

STABILITY UNSTABLE: STABLE: XXX	CONDITIONS TO AVOID Extreme temperatures
INCOMPATIBILITIES (MATERIALS TO AVOID) Strong oxidizers; anionic materials	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS Decomposition will not occur if handled/stored properly. Thermal decomposition may emit nitrous oxides, ammoniacal vapors.	
HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: XXX	CONDITIONS TO AVOID None known

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