

MATERIAL SAFETY DATA SHEET

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

SAFETEC OF AMERICA

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

TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Flammable liquid, n.o.s. (Ethanol)
HAZARD CLASS / PKG. GRP. 3 / II IDENTIFICATION NUMBER UN1993

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST) BioZide™ Disinfectant / Deodorant		Page 1 of 2
MANUFACTURER'S NAME Safetec of America, Inc.		EMERGENCY TELEPHONE NUMBER (24 Hours) (800) 255-3924
ADDRESS (NUMBER, STREET, P.O. BOX) 1055 East Delavan Avenue (CITY, STATE AND ZIP CODE) Buffalo, NY 14215		TELEPHONE NUMBER FOR INFORMATION (716) 895-1822 DATE PREPARED June 13, 2001 SUPERSEDES May 23, 2001

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	60 - 70	1000 (PEL)		1000 (TLV)	
Deionized Water	7732-18-5	30 - 40	None Established		None Established	
2-Phenylphenol	90-43-7		None Established		None Established	
4-tert-Amylphenol	80-46-6		None Established		None Established	

All ingredients in this product are listed in the T.S.C.A. Inventory.

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: Prolonged exposure to high vapor concentrations may cause difficult in breathing.	Remove victim to fresh air; provide oxygen if breathing is difficult; seek medical attention if required.
EYES: Prolonged contact may cause moderate irritation associated with burning sensation, tearing, redness or swelling.	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 vomiting.	DO NOT induce vomiting; seek immediate medical attention.
SKIN: Prolonged and repeated contact with skin may cause redness.	Wash contaminated skin with mild soap and water for 15 minutes; if irritation occurs and persists, seek medical attention.

HEALTH HAZARDS (ACUTE AND CHRONIC): May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long term exposure (years) to high concentrations of vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system. Aspiration hazard if swallowed. Eye and skin irritant. May irritate respiratory tract. Deliberately concentrating and inhaling the vapor of the contents may be harmful or fatal.

CARCINOGENICITY NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No
No additional information

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders and heart disease may become aggravated through exposure.

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SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED) 71°F (TCC)	FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component) LEL: 1.8 ND UEL: 9.5 ND	
EXTINGUISHING MEDIA Dry chemicals, water fog, foam, CO ₂		
SPECIAL FIRE FIGHTING PROCEDURES Keep containers cool. Use of equipment or shielding required to protect against bursting or venting containers.		
UNUSUAL FIRE AND EXPLOSIVE HAZARDS Heated cans may burst.		

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

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.	
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 away from heat, sparks, or open flame. Store at temperatures below 120°F. Toxic to fish, birds and other wildlife.	

SECTION 6 - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION Use NIOSH approved respirator if TLV limit is exceeded.	VENTILATION LOCAL EXHAUST: Required MECHANICAL (GENERAL): Recommended
PROTECTIVE GLOVES None required if spraying.	EYE PROTECTION Safety glasses or goggles recommended.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT Long sleeves and Long pants recommended.	WORK / HYGIENIC PRACTICES Do not smoke while using. Wash hands after use.

SECTION 7 - PHYSICAL / CHEMICAL PROPERTIES

BOILING POINT ND to 212°F	SPECIFIC GRAVITY (WATER=1) 0.8
VAPOR PRESSURE (mm Hg) NA	MELTING POINT Not applicable
VAPOR DENSITY (AIR=1) >1	PH Not available
SOLUBILITY IN WATER Soluble	EVAPORATION RATE (n-BUTYL ACETATE=1) <1
APPEARANCE AND ODOR Clear; Fragrant	% VOLATILES (BY WEIGHT) No data

SECTION 8 - STABILITY AND REACTIVITY

STABILITY UNSTABLE: STABLE: XXX	CONDITIONS TO AVOID Extreme temperatures; sources of ignition
INCOMPATIBILITIES (MATERIALS TO AVOID) Strong oxidizers.	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS Decomposition will not occur if handled / stored properly. Thermal decomposition will emit carbon dioxide.	
HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: XXX	CONDITIONS TO AVOID Heat

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.

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TRANSPORTATION INFORMATION													
PROPER SHIPPING NAME: Not Regulated HAZARD CLASS / PKG. GRP.: None / None IDENTIFICATION NUMBER: None													
REF. Not Applicabl LABEL None Require													

SECTION 1 PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST) RED Z™	Page 1 of 2
MANUFACTURER'S NAME Safetec of America, Inc.	EMERGENCY TELEPHONE NUMBER (24 Hours) (800) 255-3924
ADDRESS (NUMBER, STREET, P.O. BOX) 1055 East Delavan Avenue	TELEPHONE NUMBER FOR INFORMATION (716) 895-1822
(CITY, STATE AND ZIP CODE) Buffalo, NY 14215	DATE PREPARED: February 21, 2001 SUPERSEDES: January 11, 1999

SECTION 2 HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS <small>(SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))</small>	CAS #	% (wt.) <small>(OPTIONAL)</small>	OSHA PEL/STEL		ACGIH TLV/TWA/STEL	
			PPM	MG/M ³	PPM	MG/M ³
Sodium dichloro-s-triazinetriene	2893-78-9		None Established		None Established	
Superabsorbent polymer, CAS proprietary		> 97	5 (PEL)		5 (TLV)	

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: May cause moderate irritation associated with redness and burning sensation.	Flush eyes with clear running water for a minimum of 15 minutes while holding eyelids open; if irritation persists, seek medical attention.
SKIN: Prolonged or repeated contact may cause skin irritation.	Flush with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention.
INGESTION: Ingested material may cause burning of mouth, throat and esophagus, abdominal distress and moderate irritation.	Drink large amounts of water. DO NOT induce vomiting. Seek immediate medical attention.
INHALATION: Breathing of dust may cause throat and respiratory tract irritation.	Remove to fresh air; seek medical attention if required.

HEALTH HAZARDS (ACUTE AND CHRONIC): Acute effects are possible irritation and discomfort; Chronic exposure to large amounts of this material has not been characterized and the irritating properties of the material make such an exposure highly unlikely.

CARCINOGENICITY	NTP?	No	IARC MONOGRAPHS?	No	OSHA REGULATED?	No
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MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin or breathing disorders may become aggravated through prolonged exposure.

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 v 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 ³	VENTILATION LOCAL EXHAUST: Recommend 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 instruction

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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