

Section VI—Health Hazard Data

Health Hazards:

Skin: Discontinue use if rash or irritation occurs. May cause skin irritation upon prolonged and excessive contact.

Eyes: Direct ocular exposure may cause eye irritation, but no permanent eye injury is expected.

Inhalation: Avoid direct inhalation. Use with adequate ventilation.

Swallowing: May be harmful if swallowed.

Emergency and First Aid Procedures:

Skin Contact: Remove clothing near area. Wash exposed area with soap and cold water. If irritation persists, seek medical attention.

Eye Contact: Remove contact lenses. Flush eye area for 15 minutes with large concentrations of water. If irritation persists, obtain medical advice.

Inhalation: Move to fresh air. Loosen collar or shirt. Seek medical advice if breathing difficulties occur.

Swallowing: Drink several glasses of milk or water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled: Not Applicable

Waste Disposal Method:

Small quantities generated by consumers may be disposed of in a sanitary sewer with large quantities of water. Empty containers generated by a consumer may be disposed of as conventional waste.

Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules).

Handling and Storing:

Store in a cool, dry place away from flame.

Section VII—Control Measures

Respiratory Protection: NA with adequate ventilation.

Protective Gloves: NA

Eye Protection: Safety glasses

Section VIII —Transportation/ Shipping

This product is not regulated as a DOT hazardous material.

Section IX —Disclaimer

THE INFORMATION IN THIS MSDS WAS OBTAINED FROM CURRENT AND REPUTABLE SOURCES. HOWEVER, THE DATA IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS, OR IMPLIED, REGARDING ITS CORRECTNESS OR ACCURACY. IT IS THE USER'S RESPONSIBILITY TO DETERMINE SAFE CONDITION FOR USE OF THIS PRODUCT AND TO ASSUME LIABILITY FOR LOSS, INJURY, DAMAGE, OR EXPENSE RESULTING FROM IMPROPER USE OF THIS PRODUCT

MATERIAL SAFETY DATA SHEET

<i>Triple Antibiotic Ointment</i>	MSDS No.:	014
	Revision No.:	3
	Exp:	1/15/2011

PRODUCT AND COMPANY INFORMATION – SECTION 1	
Manufacturer/Distributor	Water-Jel Technologies 50 Broad Street Carlstadt, NJ 07072 201-507-8300 800-275-3433
Product Name:	Triple Antibiotic Ointment
Synonyms:	Antibiotic Ointment, Antibiotic Cream
Intended Use:	First aid antibiotic ointment for topical prevention of infections in minor cuts. Scrapes and burns. For external use only.

**FOR CHEMICAL EMERGENCY, SPILL, LEAK,
FIRE, EXPOSURE, OR ACCIDENT:**

**In the continental U.S.: 800-275-3433
For additional information: 201-507-8300**

COMPOSITION INFORMATION – SECTION 2	
In accordance with 29 CFR § 1910.1200 (i) (1) the specific chemical identity of this product is being withheld as a trade secret.	
Chemical Name:	Petrolatum USP
Percent:	Proprietary
CAS Number:	8009-03-8
Exposure Limits:	Not Established
Chemical Name:	Neomycin Sulfate USP
Percent:	Proprietary
CAS Number:	1405-10-3
Exposure Limits:	Not Established
Chemical Name:	Bacitracin Zinc USP
Percent:	Proprietary
CAS Number:	1405-89-6
Exposure Limits:	Not Established
Chemical Name:	Polymyxin B Sulfate
Percent:	Proprietary
CAS Number:	1405-20-5
Exposure Limits:	Not Established

HAZARDS IDENTIFICATION – SECTION 3	
EMERGENCY OVERVIEW & HAZARDS PRESENT TO MAN AND THE ENVIRONMENT	Warning! May cause eye and skin irritation.
PRIMARY ROUTES OF EXPOSURE	Skin

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<u>POTENTIAL HEALTH EFFECTS:</u>	
Eyes:	This product is minimally irritation to the eyes upon direct contact.
Skin:	This product is minimally irritating to the skin upon direct contact. NOTE: Neomycin sulfate and Bacitracin Zinc USP may cause cutaneous sensitization. A precise incidence of hypersensitivity reactions (primarily skin rash) due to topical Neomycin and Bacitracin Zinc USP is not known. Discontinue promptly if sensitization or irritation occurs.
Inhalation:	This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product.
Ingestion:	Do not ingest. This product is practically non-toxic by ingestion. This product has laxative properties and may result in abdominal cramps and diarrhea.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	No information available.
<u>CHRONIC HEALTH EFFECTS:</u>	
<i>Eyes:</i>	No information available.
<i>Skin:</i>	When using Bacitracin Zinc USP and/or Neomycin containing products to control secondary infection in the chronic dermatoses, such as chronic otitis externa or stasis dermatitis, it should be borne in mind that the skin in these conditions is more liable than is normal skin to become sensitized to many substances, including Neomycin and Bacitracin Zinc USP.
<i>Inhalation:</i>	Exposure to a large single dose or repeated smaller doses of petrolatum by inhalation can lead to lipid pneumonia or lipid granuloma of the lung. These are low-grade, chronic, localized tissue reactions. Shortness of breath and cough are the most common symptoms.
<i>Ingestion:</i>	Exposure to a large single dose or repeated smaller doses of petrolatum by ingestion leading to aspiration can lead to lipid pneumonia or lipid granuloma of the lung. These are low-grade, chronic, localized tissue reactions. Shortness of breath and cough are the most common symptoms.

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FIRST AID MEASURES – SECTION 4	
SEEK MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE.	
<u>FIRST AID MEASURES:</u>	
<i>Eyes:</i>	Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If material is hot, treat for thermal burns and take victim to hospital immediately.
<i>Skin:</i>	Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.
<i>Inhalation:</i>	This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions. If vapor or mist is generated when the material is heated or handled, remove victim from exposure.
<i>Ingestion:</i>	Do not induce vomiting due to aspiration hazard. If vomiting should occur, lower head below knees to avoid aspiration.
<i>Instructions for Physician:</i>	Exposure to a large single dose or repeated smaller doses of petrolatum by inhalation, aspiration, or ingestion, leading to aspiration, can lead to lipid pneumonia or lipid granuloma of the lung. These are low-grade, chronic, localized tissue reactions. Shortness of breath and cough are the most common symptoms.

FIRE FIGHTING MEASURES – SECTION 5			
<i>NFPA Classification</i>			
<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>Other</u>
0	1	0	N/A
<u>FLAMMABILITY PROPERTIES</u>			
Flash Point:	Higher than 93.3°C 200°F)	Method:	Closed Cup
Flammability Limits: (in air % by volume)		LEL:	N/A
		UEL:	N/A
<u>Autoignition Temperature:</u>			
No information available.			

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<u>Hazardous Combustion Products:</u>
Carbon monoxide, carbon dioxide.
<u>Extinguishing Media:</u>
Use dry chemical, foam, or carbon dioxide.
<u>Prohibited Extinguishing Media:</u>
No information available.
<u>Firefighting Instructions:</u>
Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.
<u>Unusual Fire and Explosion Hazards:</u>
Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

ACCIDENTAL RELEASE MEASURES – SECTION 6	
<u>Environmental Precautions:</u>	Caontain spill immediately. Do not allow spill to enter sewers or watercourses.
<u>Cleanup Methods:</u>	<p><u>Small spills:</u> Absorb with appropriate inert material such as sand, clay, etc. and dispose of into a suitable container.</p> <p><u>Large spills:</u> Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers.</p>

HANDLING & STORAGE – SECTION 7	
Handling:	Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash clothing prior to reuse. May be slippery when spilled.
Storage:	Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open flame, or oxidizing materials.
Specific Uses:	First aid antibiotic ointment to help prevent infection in minor cuts, scrapes and burns. For external use only.

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EXPOSURE CONTROLS / PERSONAL PROTECTION – SECTION 8		
<u>EXPOSURE CONTROLS:</u>		
<u>Exposure Limits Values:</u>		
	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>
Petrolatum USP	Not Established	Not Established
<u>Engineering Controls:</u>		
If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits.		
<u>PERSONAL PROTECTIVE EQUIPMENT:</u>		
<u>Respiratory Protection:</u>		
Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirations must be NIOSH certified.		
<u>Hand Protection:</u>		
For prolonged or repeated exposures, use impervious gloves. If handling hot material, use insulated protective gloves.		
<u>Eye/Face Protection:</u>		
Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.		
<u>Skin Protection:</u>		
No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious clothing (boots, aprons, etc.) over parts of the body subject to exposure. If handling hot material, use insulated protective clothing (boots, aprons, etc.) Launder soiled clothes. Properly dispose of contaminated leather articles including shoes, which cannot be decontaminated.		
<u>General Hygiene Considerations:</u>		
Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking.		
<u>Other Protective Equipment:</u>		
No information available.		

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PHYSICAL & CHEMICAL PROPERTIES – SECTION 9	
PRODUCT:	Triple Antibiotic Ointment
General Information:	
Appearance	Off-white lustrous ointment
Odor	Odorless
Important Health, Safety, and Environmental Information:	
Boiling Point	650°F (343.3 C)
Melting Point	125-130°F (51.7 – 54.4°C)
Flash Point	Higher than 93.3°C (200°C)
Explosive Properties	No information available.
Oxidizing Properties	No information available.
Specific Gravity ($H_2O = 1$)	0.86 – 0.87
Water Solubility	Insoluble in water
Partition Coefficient (<i>n-octanol/water</i>)	No information available.
Viscosity	No information available.
Vapor Pressure (<i>mm Hg</i>)	No information available.
Vapor Density (<i>Air = 1</i>)	No information available.
Evaporation Rate	No information available.
% Volatile (<i>By Volume @ 68°F</i>)	No information available.

STABILITY & REACTIVITY – SECTION 10
Stability:
Stable.
Conditions to avoid:
Heat, sparks, and flames.
Materials to avoid:
May react with strong oxidizing agents.
Hazardous Decomposition Products:
Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.
Hazardous Polymerization:
Will not occur.

MATERIAL SAFETY DATA SHEET

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TOXICOLOGICAL INFORMATION – SECTION 11				
<u>Type of Test</u>	<u>Route of Exposure</u>	<u>Effects</u>	<u>Species Observed</u>	<u>Dose Data</u>
No information available.				

ECOLOGICAL INFORMATION – SECTION 12
<u>Ecotoxicity:</u> No information available.
<u>Mobility:</u> No information available.
<u>Persistence and Degradability:</u> No information available.
<u>Bio accumulative Potential:</u> No information available.

DISPOSAL CONSIDERATION – SECTION 13
All disposals of this material must comply with federal, state, and local regulations.

TRANSPORT INFORMATION – SECTION 14	
<u>DOT CLASSIFICATION:</u>	
UN Number:	Not Regulated for Domestic Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	
<u>IATA CLASSIFICATION:</u>	
Un Number:	Not Regulated for International Air Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	

MATERIAL SAFETY DATA SHEET

Triple Antibiotic Ointment	MSDS No.:	014
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<u>IMDG CLASSIFICATION:</u>	
Un Number:	Not Regulated for International Water Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	

REGULATORY INFORMATION – SECTION 15	
<u>US REGULATIONS</u>	
ACGIH	Not Established
CAA Section 112	Not Listed
CERCLA	Not Listed
IARC	Not Listed
NTP	Not Listed
OSHA	Not Established
SARA Title III	Not Listed
TSCA	Not Listed
<u>STATE REGULATIONS</u>	
MA substance List	Not Listed
NJ RTK Hazardous Substance List	Not Listed
PA Hazardous Substance List	Not Listed
Canadian WHMIS	Uncontrolled product according to WHMIS classification criteria.

To the best of our knowledge, the information contained herein is accurate. However, neither Water-Jel Technologies, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



MayDay Emergency Water Cases - Great Prices by the case. 5 year shelf life. Coast Guard approved. FDA approved. 5 Year shelf life. Perfect for rationing. Sterilized, purified water. [May also be used to cleanse wounds in emergency situations. Water Pouches 4.2 oz. 100/case. 40 cases = 1 pallet wt. 1,200 lbs. Minimum order is 2 cases, unless purchasing with other items beginning with Item #MD. . .

Water is a common [chemical substance](#) that is essential for the survival of all known forms of [life](#)^[1]. In typical usage, *water* refers only to its [liquid](#) form or [state](#), but the substance also has a [solid](#) state, *ice*, and a [gaseous](#) state, *water vapor*. About 1,460 [teratonnes](#) (Tt) of water covers 71% of the [Earth's](#) surface, mostly in oceans and other large water bodies, with 1.6% of water below ground in [aquifers](#) and 0.001% in the [air](#) as [vapor](#), [clouds](#) (formed of solid and liquid water particles suspended in air), and [precipitation](#).^[2] Some of the Earth's water is contained within man-made and natural objects near the Earth's surface such as [water towers](#), animal and plant bodies, manufactured products, and food stores.

[Saltwater oceans](#) hold 97% of surface water, [glaciers](#) and polar [ice caps](#) 2.4%, and other land surface water such as [rivers](#) and [lakes](#) 0.6%. Water moves continually through a [cycle](#) of [evaporation](#) or [transpiration](#) ([evapotranspiration](#)), [precipitation](#), and [runoff](#), usually reaching the [sea](#). Winds carry water vapor over land at the same rate as runoff into the sea, about 36 Tt per year. Over land, evaporation and transpiration contribute another 71 Tt per year to the precipitation of 107 Tt per year over land. Some water is trapped for varying periods in ice caps, glaciers, aquifers, or in lakes, sometimes providing fresh water for life on land. Clean, fresh water is essential to [human](#) and other life. However, in many parts of the world - especially [developing](#) countries - it is in short supply. Water is a [solvent](#) for a wide variety of chemical substances.

ZIBO DEXING INDUSTRIES CO.,LTD.
No.115-1, Wanjie Road, ,Zibo,Shandong,China.
Tel: 0086-533-31136
Fax:0086-533-3113422**MATERIAL SAFETY DATA****MSDS No. 8693-01****Date: 8/27/01**
Supersedes: 4/23/98**PRODUCT IDENTIFICATION**

NAME: Activated Chemicluminescent Product, All Colors
SYNONYMS: 6"Glow sticks, 6" Light sticks, Safty light, Mini light sticks
CHEMICAL FAMILY: Plastic article containing luminescer and activator components
MOLECULAR FORMULA: Mixture
MOLECULAR WGT.: Mixture

OSHA REGULATED COMPONENTS

COMPONENT	CAS. NO.	%	PEL/TWA	REFERENCE
Butanol, t-	000075-65-0	1-6.5	100 ppm 150ppm	OSHA/ ACGIH
Dimethyl phthalate	000131-11-3	0-40	5mg/ m ³	OSHA/ ACGIH
Hydrogen peroxide	0007722-84-1	0.3-2.2	1ppm	OSHA/ ACGIH
Dibutyl phthalate	000084-74-2	45-92	6 mg/m ³	OSHA/ ACGIH

NFPA HAZARD RATING

1 FIRE: Material that must be preheated before ignition can occur.
0 HEALTH: Materials that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible material.
0 REACTIVITY: Materials that in themselves are normally stable, even under fire exposure conditions, and which are not reactive with water.

HEALTH HAZARD INFORMATION

EFFECTS OF OVER EXPOSURE Over exposure to this material is not likely to cause significant acute toxic effects. The acute oral (rat) and acute dermal (rabbit) LD50 values estimated to be greater than 5.0 mg/kg. Direct contact with this material may result in minimal eye irritation. Upon accident eye exposure, marerial should be immediately rinse from the eye;No signaficant skin irritation was observed during animal testing.

FIRST AID

In case of skin contact, wash affected areas of skin with soap and water.
In case of eye contact, immediately irrigate with plenty of water for 15 minutes.

EXPOSURE CONTROL METHODS

Engineering controls are not usually necessary if good hygiene practices are followed. Before eating, drinking, or smoking, wash face and hands thouroughly with soap and water. Avoid unnecessary skin contact. Impervious gloves are recommended to prevent prolonged skin contact. For operations where eye or face contact can occur, eye protection is recommended.

FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT: 240°F (115.6°C)
METHOD: Closed Cup

FLAMMABLE LIMITS

(% BY VOL):	Not Applicable
AUTO IGNITION TEMP.:	Not Available
DECOMPOSITION TEMP.:	Not Available
FIRE FIGHTING	Use water spray, carbon dioxide or dry chemical to extinguish fires. Use water to keep containers cool. Wear self-contained, positive pressure breathing apparatus.

REACTIVITY DATA

STABILITY:	Stable
CONDITIONS TO AVOID:	None known
POLYMERIZATION:	Will Not Occur
CONDITION TO AVOID:	None known
INCOMPATIBLE MATERIALS:	Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition or combustion may produce carbon monoxide and or carbon dioxide.

PHYSICAL PROPERTIES

APPEARANCE AND ODOR:	Articia consisting of plastic tube or shape containing broken glass ampoule with oxalate and activator component.
BOILING POINT:	482°F (250°C)
MELTING POINT:	N.A.
VAPOR PRESSURE:	N.A.
SPECIFIC GRAVITY:	1.00-1.05
VAPOR DENSITY:	N.A.
% VOLATILE (BY VOL):	Negligible
pH:	N.A.
SATURATION IN AIR (BY VOL):	N.A.
EVAPORATION RATE:	N.A.
SOLUBILITY IN WATER:	Insoluble

SPILL OR LEAK PROCEDURES

Cover spills with some inert absorbent; waste sweep up and place in a waste container. Flush area with water.

WASTE DISPOSAL

Disposal must be made in accordance with applicable governmental regulations.

SPECIAL PRECAUTIONS

HANDLING AND STORAGE/OTHER: None

D.O.T. SHIPPING INFORMATION

PROPER SHIPPING NAME:	NOT APPLICABLE
HAZARD CLASS:	NOT APPLICABLE
UN/NA:	NOT APPLICABLE
D.O.T. HAZARDOUS	(Reportable Quantity of Product)

SUBSTANCES: Dibutyl phthalate (10.9 Lbs 92%)
Dimethyl phthalate (25 Lbs 40%)

D.O.T. LABEL REQUIRED: NOT APPLICABLE

TSCA INFORMATION This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C.

ENVIRONMENTAL INFORMATION The following components are defined as toxic chemical subject to reporting requirements of Section 313 of Title III and of 40 CFR 372 or subject to other EPA regulations.

SARA TITLE III

COMPONENT	CAS NO	%	TPQ(lbs)	RQ(lbs) S313	RCRA	TSCA	12B
T-Butanol	000075-65-0	12-15	None	None	Yes	None	No
Dibutyl phthalate	000084-74-2	45-92	None	10	Yes	U069	Yes
Dimethyl phthalate	000131-11-3	80-83	None	5000	Yes	U102	Yes

**PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA
NOT APPLICABLE UNDER SARA TITLE III**

This information is given without any warranty or representation. We do not assume any legal responsibility for same, nor do we give permission, inducement, or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation and verification. Before using any product read its label.

MATERIAL SAFETY DATA SHEET

Hand Sanitizer	MSDS No.:	008
	Revision No.:	3
	Exp:	1/15/2011

PRODUCT AND COMPANY INFORMATION – SECTION 1	
Manufacturer/Distributor	Water-Jel Technologies
	50 Broad Street
	Carlstadt, NJ 07072
	201-507-8300
	800-275-3433
Product Name:	Hand Sanitizer
Synonyms:	Hand Gel, Hand Cleaner
Intended Use:	Antiseptic hand-wash to decrease bacteria on the skin, recommended for repeated use. For external use only.

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT: In the continental U.S.: 800-275-3433 For additional information: 201-507-8300
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COMPOSITION INFORMATION – SECTION 2	
In accordance with 29 CFR § 1910.1200 (i) (1) the specific chemical identity of this product is being withheld as a trade secret.	
Chemical Name:	Ethyl Alcohol (Denaturated)
Percent:	Proprietary
CAS Number:	64-17-5
Exposure Limits:	OSHA PEL: 1000 ppm TWA (1900 mg/m ³ TWA)
	ACGIH TLV: 1000 ppm TWA (1900 mg/m ³ TWA)

HAZARDS IDENTIFICATION – SECTION 3	
EMERGENCY OVERVIEW & HAZARDS PRESENT TO MAN AND THE ENVIRONMENT	Component Ethanol is a severe eye irritant, resulting in corneal injury if not removed immediately. Prolonged inhalation may cause headache, eye, nose and throat irritation, with possible central nervous system effects: depressant. Ingestion may cause birth defects (teratogen)
PRIMARY ROUTES OF EXPOSURE	Inhalation, Ingestion, Eyes
<u>POTENTIAL HEALTH EFFECTS:</u>	
Eyes:	Vapor irritates eyes.
Skin:	No information available.
Inhalation:	High concentrations of vapor can irritate respiratory tract, are anesthetic and may cause CNS depression.

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Hand Sanitizer	MSDS No.:	008
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Ingestion:	Can cause depression of CNS, nausea, vomiting and/or diarrhea.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	Pre-existing eye and respiratory disorders may be aggravated by exposure.
<u>CHRONIC HEALTH EFFECTS:</u>	
Eyes:	Prolonged exposure may result in corneal injury.
Skin:	No information available.
Inhalation:	Prolonged inhalation may cause headache, eye, nose, and throat irritation, with possible central nervous system effects.
Ingestion:	Can cause depression of CNS, nausea, vomiting and/or diarrhea.

FIRST AID MEASURES – SECTION 4	
SEEK MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE.	
<u>FIRST AID MEASURES:</u>	
Eyes:	Flush immediately with clean water for at least fifteen (15) minutes.
Skin: <i>(other than hands)</i>	Intended for hand use without causing irritation but if it comes in contact with other skin areas, which become irritated, rinse with clean water.
Inhalation:	Move patient to fresh air. Seek immediate medical attention if individual is severely overcome by overexposure to vapors. Overexposure is most likely to occur when dealing with large quantities in an enclosed space with inadequate ventilation.
Ingestion:	If ingested, call a physician immediately.
Instructions for Physician:	No information available.

FIRE FIGHTING MEASURES – SECTION 5			
<i>NFPA Classification</i>			
<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>Other</u>
2	3	0	N/A
<u>FLAMMABILITY PROPERTIES</u>			
Flash Point:	22°C (72°F)	Method:	PMCC
Flammability Limits: (in air % by volume)	LEL:	3.3%	UEL: 19%

MATERIAL SAFETY DATA SHEET

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<u>Autoignition Temperature:</u>
No information available.
<u>Hazardous Combustion Products:</u>
CO, CO2, Nox
<u>Extinguishing Media:</u>
Dry chemical, water spray or alcohol resistant foam.
<u>Prohibited Extinguishing Media:</u>
No information available.
<u>Firefighting Instructions:</u>
Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.
<u>Unusual Fire and Explosion Hazards:</u>
Flammable liquid, toxic gases (such as carbon monoxide and formaldehyde) may be released in a fire.

ACCIDENTAL RELEASE MEASURES – SECTION 6	
<u>Environmental Precautions:</u>	No information available.
<u>Cleanup Methods:</u>	<p><u>Small spills:</u> Eliminate all ignition sources. Ventilate the area. Clean area by flushing with water.</p> <p><u>Large spills:</u> Eliminate all ignition sources. Ventilate the area. Absorb onto inert medium and collect in an approved container..</p>

HANDLING & STORAGE – SECTION 7	
Handling:	All handling equipment should be electrically grounded. Do not allow persons to enter confined areas.
Storage:	Usual precautions for flammable liquids. Store in dry, cool, well ventilated area away from incompatibles.
Specific Uses:	Antiseptic hand-wash to decrease bacteria on the skin recommended for repeated use. For external use only.

MATERIAL SAFETY DATA SHEET

Hand Sanitizer	MSDS No.:	008
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	Exp:	1/15/2011

EXPOSURE CONTROLS / PERSONAL PROTECTION – SECTION 8		
<u>EXPOSURE CONTROLS:</u>		
<u>Exposure Limits Values:</u>		
	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>
Ethyl Alcohol	1000 ppm TWA (1900 mg/m3 TWA)	1000 ppm TWA (1900 mg/m3 TWA)
<u>Engineering Controls:</u>		
Local – ventilation meeting ACGIH criteria. Explosion proof.		
<u>PERSONAL PROTECTIVE EQUIPMENT:</u>		
<u>Respiratory Protection:</u>		
None required.		
<u>Hand Protection:</u>		
N/A		
<u>Eye/Face Protection:</u>		
Splash proof goggles.		
<u>Skin Protection:</u>		
Use plastic or rubber apron to protect clothing, if needed.		
<u>General Hygiene Considerations:</u>		
Keep away from all ignition sources.		
<u>Other Protective Equipment:</u>		
Suitable eyewash facility		

PHYSICAL & CHEMICAL PROPERTIES – SECTION 9	
PRODUCT:	Hand Sanitizer
General Information:	
Appearance	No color added/clear liquid
Odor	Alcohol, Slight Citrus Odor
Important Health, Safety, and Environmental Information:	
Boiling Point	79°C (175°F)
Melting Point	N/A
Flash Point	22°C (72°F)
Explosive Properties	No information available.
Oxidizing Properties	No information available.
Specific Gravity ($H_2O = 1$)	0.90

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Water Solubility	Complete
Partition Coefficient (<i>n</i> -octanol/water)	No information available.
Viscosity	No information available.
Vapor Pressure (<i>mm Hg</i>)	40
Vapor Density (<i>Air = 1</i>)	1.6
Evaporation Rate	> 1
% Volatile (<i>By Volume @ 68°F</i>)	100

STABILITY & REACTIVITY – SECTION 10	
Stability:	
This material is stable under normal conditions.	
Conditions to avoid:	
Sources of ignition.	
Materials to avoid:	
Avoid strong oxidizing agents such as acetyl chloride, nitric acid and hydrogen peroxide.	
Hazardous Decomposition Products:	
Carbon Dioxide is formed during combustion.	
Hazardous Polymerization:	
Will not occur.	

TOXICOLOGICAL INFORMATION – SECTION 11				
Type of Test	Route of Exposure	Effects	Species Observed	Dose Data
LD ₅₀ (Ethyl Alcohol)	Oral	Death	Rodent, Rat	7060 mg/kg
LD ₅₀ (Ethyl Alcohol)	Inhalation	Death	Rodent, Rat	20000 ppm/10H

ECOLOGICAL INFORMATION – SECTION 12	
Ecotoxicity:	
No information available.	
Mobility:	
No information available.	
Persistence and Degradability:	
No information available.	

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<p><u>Bio accumulative Potential:</u></p> <p>No information available.</p>

DISPOSAL CONSIDERATION – SECTION 13
<p>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.</p>

TRANSPORT INFORMATION – SECTION 14	
<u>DOT CLASSIFICATION:</u>	
UN Number:	N/A
Class:	ORM-D
Proper Shipping Name:	ORM-D
Packing Group:	N/A
Marine Pollutant:	No
Other Information:	ORM-D Consumer Commodity Marking required.
<u>IATA CLASSIFICATION:</u>	
Un Number:	ID 8000
Class:	Class 9
Proper Shipping Name:	Consumer Commodity
Packing Group:	N/A
Marine Pollutant:	No
Other Information:	Class 9 Miscellaneous Label required.
<u>IMDG CLASSIFICATION:</u>	
Un Number:	UN 1170
Class:	Class 3
Proper Shipping Name:	Ethyl Alcohol Solution
Packing Group:	II
Marine Pollutant:	No
Other Information:	Limited Quantity

REGULATORY INFORMATION – SECTION 15	
<u>US REGULATIONS</u>	
ACGIH	TLV (Ethyl Alcohol): 1000 ppm (1900 mg/m3)
CAA Section 112	Not listed
CERCLA	Not listed

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IARC	Not listed
NTP	Not listed
OSHA	PEL (Ethyl Alcohol) 1000 ppm (1900 mg mg/m3)
SARA Title III	Not Listed
TSCA	Not Listed
<u>STATE REGULATIONS</u>	
MA substance List	Listed: (Ethyl Alcohol)
NJ RTK Hazardous Substance List	Listed: (Ethyl Alcohol)
PA Hazardous Substance List	Listed: (Ethyl Alcohol)
Canadian WHMIS	Listed: (Ethyl Alcohol)

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