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Material Safety Data Sheet
AMMEX ice packs, product codes:
B503-WIP, FAO-ICE 4X5/JR, FAO-ICE6X9
FAO-ICE6X9/BB

MATERIAL SAFETY DATA

Date: 05/14/2008
Supersedes: 07/23/04

PRODUCT IDENTIFICATION

| | |
|---------------------------|---|
| NAME: | Instant Cold Compress |
| SYNONYMS: | instant cold pack, instant ice pack, ice pack |
| CHEMICAL FAMILY: | cold therapy |
| MOLECULAR FORMULA: | Mixture |
| MOLECULAR WGT.: | Mixture |

| OSHA REGULATED COMPONENTS | COMPONENT | CAS. NO. | % | PEL/TWA | REFERENCE |
|----------------------------------|------------------|-----------------|----------|----------------|------------------|
| | Ammonium Nitrate | 6484-52-2 | 40-70 | // | OSHA/ ACGIH |
| | water | 7732-18-5 | 30-60 | // | OSHA/ ACGIH |

Fire-Fighting Measures:

| | |
|----------------------|-------------------|
| FLASH POINT: | non-sense |
| MELTING POINT | 169.6C (337.28F) |
| METHOD: | Closed Cup |

| | | |
|----------------------------------|---------------------------------|--|
| HEALTH HAZARD INFORMATION | EFFECTS OF OVER EXPOSURE | Effects of overexposure may include irritation of the nose, throat and digestive tract; coughing, nausea, vomiting, diarrhea, abdominal pain, breathing difficulties, and blood disorders (methemoglobinemia). |
|----------------------------------|---------------------------------|--|

FIRST AID Measures: **Skin:** Remove contaminated shoes and clothing, and flush affected area(s) with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, cleanse affected area(s) thoroughly by washing with mild soap or water. If irritation or redness develops, seek medical attention.

Inhalation (Breathing): If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion (Swallowing): If swallowed, seek emergency medical attention. If victim is drowsy or unconscious and vomiting, place on left side with the head down and do not give anything by mouth. If victim is conscious and alert and ingestion occurred within the last hour, vomiting should be induced for ingestion of large amounts (more than 5 ounces in an adult) under direction from a physician or poison center. If possible; do not leave victim unattended and observe closely for adequacy of breathing.

For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined

spaces, or when explicitly required by DOT, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk. Water spray may be useful in minimizing or dispersing vapors. Cool equipment exposed to fire with water, if it can be done with minimal risk.

**EXPOSURE
CONTROL METHODS**

Engineering controls are not usually necessary if good hygiene practices are followed. Before eating, drinking, or smoking, wash face and hands thoroughly 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.

**HAZARD
INFORMATION**

FLAMMABLE LIMITS
(% BY VOL): Not Applicable

AUTO IGNITION TEMP.: Not Available

DECOMPOSITION TEMP.: Not Available

REACTIVITY:

Chemical Stability: Stable under normal conditions of storage and handling. Dry chemical is an oxidizer and may promote combustion in other materials.

Conditions To Avoid: This material may be an oxidizer. Do not heat above 250°F. Do not let dry chemical or solution dry or crystallize in contact with organic, reactive, or combustible materials (see Sections 7).

Incompatible Materials: Avoid contact with reactive, combustible, or organic materials, such as wood, grain, organic chemicals, acids, corrosive liquids, sulfur, flammable liquids, chlorates, permanganates, finely divided materials, charcoal, coke, cork, or sawdust. Avoid contact with other oxidizers. Contact with alkaline materials may liberate ammonia.

Hazardous Decomposition Products: Material will not burn, but if involved in a fire, oxides of nitrogen may be generated. Exposure to heat may liberate ammonia fumes.

Hazardous Polymerization: Will not occur.

**PHYSICAL
PROPERTIES**

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm).

Flash Point: None

Flammable/Explosive Limits (%): LEL/UEL: No data

Autoignition Temperature: No data

Appearance: White solid in water bag

Physical State: solid/Liquid

Odor: None

pH: No data

Vapor Pressure (mm Hg): No data

Boiling Point: No data

Freezing/Melting Point: No data

Solubility in Water: 100%

Specific Gravity: approx 1.3

Evaporation Rate (nBuAc=1): No data

**SPILL OR LEAK
PROCEDURES**

The dry chemical of this material is an oxidizer. Keep all sources of ignition and hot metal surfaces away from spill/release. The use of explosion-proof equipment is recommended. Stay upwind and away from spill/release. Notify person down wind of spill/release, isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done

with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 8). Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Notify appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended.

WASTE DISPOSAL Disposal must be made in accordance with applicable governmental regulations.

SPECIAL PRECAUTIONS

Handling: Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits (see Section 2 and 8). Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practice.

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. Container should be disposed in an environmentally safe manner and in accordance with governmental regulations.

Before working on or in tanks which contain or have contained this material, refer to OSHA Regulations, ANSI Z49.1 and other governmental and industrial references pertaining to cleaning, welding, or other contemplated operations.

Storage: Use and store this material in cool, dry, well-ventilated areas away from heat and all sources of ignition. Post area "No Smoking or Open Flame." Solution is corrosive to copper, copper alloys, lead, and zinc. Store to avoid contact with incompatible materials such as ordinary combustibles, flammable liquids, greases, and those materials, including other oxidizers, that could react with the oxidizer or catalyze its decomposition (see Section 10). Prohibit accumulation of combustible waste in storage areas. Combustible construction materials that may be in contact with oxidizers shall be protected with a compatible coating to prevent impregnation of the combustible materials by the oxidizers. Protect container(s) against physical damage.

| | | |
|------------------------------------|------------------------------|---|
| D.O.T. SHIPPING INFORMATION | PROPER SHIPPING NAME: | CONSUMER COMMODITY |
| | HAZARD CLASS: | ORM-D |
| | UN/NA: | NOT APPLICABLE |
| | SUBSTANCES: | Ammonium Nitrate (120g 50%) Water (120g 50%) |
| | LABEL REQUIRED: | NOT APPLICABLE |

NOT AN ACCEPTABLE CLASSIFICATION WHEN USING IATA DANGEROUS GOODS REGULATIONS

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

TOXICOLOGICAL INFORMATION

No definitive information available on carcinogenicity, mutagenicity, target organs or developmental toxicity.

Disposal This material, if discarded as produced, may be a RCRA "characteristic" hazardous waste due to the

Consideration: characteristic(s) of ignitability (D001). If the material is spilled to soil or water, characteristic testing of the contaminated materials is recommended. To assure proper disposal, consult with state and local regulations and disposal authorities.

REGULATORY INFORMATION

This material contains the following chemicals subject to the reporting requirements of **SARA 313** and 40 CFR 372.

| <u>COMPONENT</u> | <u>CAS NUMBER</u> |
|--|-------------------|
| Ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing) | 7446-41-7 |
| Water dissociable nitrate compounds | None |

Warning: This material contains the following chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm, and are subject to the requirements of **California Proposition 65** (CA Health & Safety Code Section 25249.5)

This material has not been identified as a carcinogen by NTP, IARC, or OSHA.

**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.

**PDI - PROFESSIONAL DISPOSABLES, INC
HEALTHCARE DIVISION OF
NICE-PAK PRODUCTS, INC**

**TWO NICE-PAK PARK
ORANGEBURG NY 10962-1376
845-365-1700**

REVISION DATE: 8/03

I. PRODUCT IDENTIFICATION

PRODUCT/TRADE NAME: ALCOHOL PREP/SWAB - B15901, B33901, B33905, B33907, B92507, C29600, B60301, B99070, B60307, C69900, S84925, S81650, B59800, B33973, B60507, B05507, B80505, B77606, B00707, B05590

HAZARD RATING(NFPA)

HEALTH: 1
FLAMMABILITY: 3
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: ISOPROPYL ALCOHOL

II. HAZARDOUS INGREDIENTS PER 29 CFR 1910.1200

| Hazardous Ingredients | % | ACGIH TLV | CAS NUMBER |
|-----------------------|----|-----------|------------|
| 2-PROPANOL | 70 | 400 ppm | 67-63-0 |

III. PHYSICAL/CHEMICAL CHARACTERISTICS

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

BOILING POINT: N/A

FLASH POINT: 78^o F

VAPOR DENSITY: N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H₂O = 1):N/A

IV. FIRE & EXPLOSION HAZARD DATA

FLASH POINT(Method Used): 78^o F TAG CLOSED CUP : LEL: 2.0 UEL: 12.0

EXTINGUISHING MEDIA: DRY CHEMICAL OR ALCOHOL TYPE FOAM, CARBON DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES: HANDLE AS FLAMMABLE LIQUID. USE RESPIRATORY PROTECTION FOR FIRE FIGHTING PERSONNEL

UNUSUAL FIRE AND EXPLOSION HAZARDS: CLASS 3 FLAMMABILITY

V. REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: NONE

INCOMPATIBILITY: NONE

HAZARDOUS DECOMPOSITION OR BYPRODUCT: NONE

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

ALCOHOL PREP/SWAB

VI. HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE:

SKIN IF RASH APPEARS, DISCONTINUE USE

EYES : WILL CAUSE EYE STING IF SPLASHED

INHALATION: NONE

INGESTION NOT A NORMAL ROUTE OF ENTRY

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: DISCONTINUE USE IF RASH OR IRRITATION OCCURS

EYE CONTACT: FLUSH WITH COLD WATER FOR 15 MINUTES

INHALATION: REMOVE TO FRESH AIR

INGESTION: INDUCE VOMITING. CALL PHYSICIAN

TARGET ORGANS; N/A

VII. SPILL AND DISPOSAL PROCEDURE

SPILL CONTROL: ELIMINATE ALL SOURCES OF IGNITION

WASTE DISPOSAL METHOD: FLUSH SPILLS WITH WATER. HANDLE AS FLAMMABLE LIQUID. FOLLOW LOCAL, STATE AND FEDERAL REGULATIONS.

HANDLING AND STORAGE: STORE AWAY FROM HEAT AND SOURCES OF IGNITION

VIII. CONTROL MEASURES/PROTECTION

RESPIRATION: USE IF PERMISSABLE EXPOSURE LEVEL IS EXCEEDED WHEN HANDLING BULK LIQUID

VENTILATION: RECOMMENDED

PROTECTIVE GLOVES: NONE REQUIRED

EYE PROTECTION: ONLY IF SPLASHING IS EXPECTED

HYGIENIC PRACTICES: GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

OTHER: DON'T ALLOW LARGE QUANTITIES OF WASTE TO ACCUMULATE

IX. TRANSPORT/SHIPPING

DOT SHIPPING NAME: N/A

TECHNICAL SHIPPING NAME: N/A

DOT SHIPPING CLASSIFICATION: DOT-NOT REGULATED

DOT ID NO.: N/A

DOT LABEL REQUIREMENTS: N/A

UN/NA NUMBER REGULATIONS: N/A

REPORTABLE QUANTITY: N/A

X. DISCLAIMER

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MATERIAL SAFETY DATA SHEET

PDI - PROFESSIONAL DISPOSABLES, INC
THE HEALTHCARE DIVISION OF
NICE-PAK PRODUCTS, INC
TWO NICE-PAK PARK
ORANGEBURG NY 10962-1376
845-365-1700



REVISION DATE: 7/03

I. PRODUCT IDENTIFICATION

PRODUCT/TRADE NAME: BZK ANTISEPTIC TOWELETTE D35100

HAZARD RATING (NFPA)

HEALTH: 0
FLAMMABILITY: 0
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: MIXTURE

II HAZARDOUS INGREDIENTS

PER 29 CFR 1910.1200

| <u>Hazardous Ingredients</u> | <u>%</u> | <u>ACGIH TLV</u> | <u>CAS NUMBER</u> |
|------------------------------|----------|------------------|-------------------|
|------------------------------|----------|------------------|-------------------|

NONE. NO COMPONENTS OVER 1% OF FORMULATION

III PHYSICAL/CHEMICAL CHARACTERISTICS

COLOR/ODOR/APPEARANCE: TOWELETTE SATURATED WITH CLEAR, COLORLESS LIQUID.

BOILING POINT: N/A
FLASH POINT: NOT APPLICABLE
VAPOR DENSITY: N/A
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H₂O = 1): 1.0

IV FIRE & EXPLOSION HAZARD DATA

FLASH POINT(Method Used): NOT APPLICABLE LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: ANY
SPECIAL FIRE FIGHTING PROCEDURES: NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

V-REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID N/A
INCOMPATIBILITY: ANIONIC SURFACTANTS/SOAPS
HAZARDOUS DECOMPOSITION OR BYPRODUCT: NONE
POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NONE

BZK TOWELETTE

VI-HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE:
SKIN NONE
EYES : MAY CAUSE DISCOMFORT
INHALATION: NONE
INGESTION NONE

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: DISCONTINUE USE IF RASH OR IRRITATION OCCURS
EYE CONTACT: FLUSH WITH COLD WATER IF SPLASHED IN EYES
INHALATION: NONE
INGESTION: NONE
TARGET ORGANS; NONE

VII-SPILL AND DISPOSAL PROCEDURE

SPILL CONTROL: RINSE INTO SEWER SYSTEM
WASTE DISPOSAL METHOD: FOLLOW LOCAL STATE AND FEDERAL REGULATIONS.
HANDLING AND STORAGE: NONE

VIII-CONTROL MEASURES/PROTECTION

RESPIRATION: NONE.
VENTILATION: NONE.
PROTECTIVE GLOVES: NONE
EYE PROTECTION: IF SPLASH POTENTIAL EXISTS
HYGIENIC PRACTICES:GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.
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

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MATERIAL SAFETY DATA SHEET

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| | | | | |
|-----------------------------------|---|--------------|-----------------------|-------------|
| SAFETEC OF AMERICA | 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 | 2 | 0 = INSIGNIFICANT | 3 = HIGH |
| | FLAMMABILITY | 3 | 1 = SLIGHT | 4 = EXTREME |
| REACTIVITY | 0 | 2 = MODERATE | | |
| TRANSPORTATION INFORMATION | | | | |
| PROPER SHIPPING NAME | Solids containing flammable liquid, n.o.s. (Ethanol) | | | |
| HAZARD CLASS/PKG. GRP. | 4.1 / II | IATA | Special Provision A46 | |
| IDENTIFICATION NUMBER | UN3175 | US DOT | Special Provision 47 | |

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

| | | |
|--------------------------------------|---------------------------------------|-------------------|
| IDENTITY (AS USED ON LABEL AND LIST) | | Page 1 of 2 |
| Safetec Sting Relief - Towelette | | |
| 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 | |
| 887 Kensington Ave. | (716) 895-1822 | |
| (CITY, STATE AND ZIP CODE) | DATE PREPARED | September 1, 2010 |
| Buffalo, NY 14215 | SUPERSEDES | January 27, 2009 |

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 | | 1000 (PEL) | | 1000 (TLV) | |
| Lidocaine HCl | 6108-05-0 | 2 | None Established | | None Established | |
| Menthol | 2216-51-5 | | 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 |
|---|--|
| SKIN: Prolonged or repeated skin contact may cause mild irritation. | If irritation occurs, flush with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention. |
| 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. |
| INHALATION: Brief (minutes) inhalation will not cause adverse effects; prolonged and constant inhalation may cause irritation to the upper respiratory tract. | If irritation occurs, remove to fresh air and provide oxygen if breathing is difficult; seek medical attention if required. |
| 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. |

HEALTH HAZARDS (ACUTE AND CHRONIC): Acute effects are possible irritation and discomfort; chronic effects are possible with the ingestion of large amounts to the nervous system. Do not use on abraded skin.

CARCINOGENICITY
 No additional information

| | | | | | |
|------|----|------------------|----|-----------------|----|
| NTP? | No | IARC MONOGRAPHS? | No | OSHA REGULATED? | No |
|------|----|------------------|----|-----------------|----|

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

MATERIAL SAFETY DATA SHEET

IDENTITY (AS USED ON LABEL AND LIST)

Safetec Sting Relief - Towelette

Page 2 of 2

Date: January 27, 2009

SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED)

15.7°C

FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component)

LEL: 3.3

UEL: 19

EXTINGUISHING MEDIA

Dry chemicals, alcohol-type or all-purpose foam, CO₂

SPECIAL FIRE FIGHTING PROCEDURES

DO NOT enter confine fire space without full bunker gear (Helmet with face shield, bunker coats, gloves and rubber boots. Wear NIOSH/MSHA approved self contained breathing apparatus. Cool fire exposed containers with water. A water spray may be used to dispense vapors; re-ignition is possible.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS

Flammable liquid. 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

Small spills may be flushed with large amounts of water; larger spills should be collected with approved absorbent 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. 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

Ordinary, none required

VENTILATION

LOCAL EXHAUST: Required

MECHANICAL (GENERAL): No

PROTECTIVE GLOVES

Ordinary, none required

EYE PROTECTION

Ordinary, none required

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Ordinary, none required

WORK/HYGIENIC PRACTICES

Practice safe work habits. Use according to label instructions.

SECTION 7 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT

173°F (Based on Ethyl Alcohol)

SPECIFIC GRAVITY (WATER = 1)

0.92

VAPOR PRESSURE (mm Hg)

Not determined

MELTING POINT

Not applicable

VAPOR DENSITY (AIR = 1)

Not determined

pH

Approximately 4.3

SOLUBILITY IN WATER

Complete to moderate

EVAPORATION RATE (IPA = 1)

Not determined

APPEARANCE AND ODOR

Clear liquid

% VOLATILES (BY VOLUME)

Not determined

SECTION 8 - STABILITY AND REACTIVITY

STABILITY

UNSTABLE:

STABLE:

XXX

CONDITIONS TO AVOID

Extreme temperatures; sources of ignition

INCOMPATIBILITIES (MATERIALS TO AVOID)

Strong oxidizing agents/reducing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Decomposition will not occur if handled and stored properly. Thermal decomposition may produce carbon monoxide, small amounts of nitrogen oxides, halogenated compounds or propionaldehyde may also be formed.

HAZARDOUS POLYMERIZATION MAY OCCUR:

WILL NOT OCCUR:

XXX

CONDITIONS TO AVOID

None known

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.

Ext 1022



MATERIAL SAFETY DATA SHEET

| | | |
|-----------------------------------|---------------|------------|
| Triple Antibiotic Ointment | MSDS No.: | 014 |
| | Revision No.: | 4 |
| | Issue Date: | 01/15/2008 |
| | Exp. Date: | 01/2011 |

| 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 |



MATERIAL SAFETY DATA SHEET

| | | |
|-----------------------------------|---------------|------------|
| Triple Antibiotic Ointment | MSDS No.: | 014 |
| | Revision No.: | 4 |
| | Issue Date: | 01/15/2008 |
| | Exp. Date: | 01/2011 |

| POTENTIAL HEALTH EFFECTS: | |
|---|--|
| 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. |
| CHRONIC HEALTH EFFECTS: | |
| Eyes: | No information available. |
| Skin: | 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. |
| Inhalation: | 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. |
| Ingestion: | 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. |



MATERIAL SAFETY DATA SHEET

| | | |
|-----------------------------------|---------------|------------|
| Triple Antibiotic Ointment | MSDS No.: | 014 |
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| | Exp. Date: | 01/2011 |

| FIRST AID MEASURES – SECTION 4 | |
|---|---|
| SEEK MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE. | |
| FIRST AID MEASURES: | |
| Eyes: | 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. |
| Skin: | 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. |
| Inhalation: | 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. |
| Ingestion: | Do not induce vomiting due to aspiration hazard. If vomiting should occur, lower head below knees to avoid aspiration. |
| Instructions for Physician: | 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 | | | |
|---|------------------------------|------------|------------|
| NFPA Classification | | | |
| Health | Fire | Reactivity | Other |
| 0 | 1 | 0 | N/A |
| FLAMMABILITY PROPERTIES | | | |
| Flash Point: | Higher than 93.3°C 200°F) | Method: | Closed Cup |
| Flammability Limits: (in air % by volume) | LEL: | N/A | UEL: N/A |
| Autoignition Temperature: | | | |
| No information available. | | | |



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|--|
| <p><u>Hazardous Combustion Products:</u></p> <p>Carbon monoxide, carbon dioxide.</p> <p><u>Extinguishing Media:</u></p> <p>Use dry chemical, foam, or carbon dioxide.</p> <p><u>Prohibited Extinguishing Media:</u></p> <p>No information available.</p> <p><u>Firefighting Instructions:</u></p> <p>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.</p> <p><u>Unusual Fire and Explosion Hazards:</u></p> <p>Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.</p> |
|--|

| | |
|--|--|
| ACCIDENTAL RELEASE MEASURES – SECTION 6 | |
| <p><u>Environmental Precautions:</u></p> <p>Contain spill immediately. Do not allow spill to enter sewers or watercourses.</p> <p><u>Cleanup Methods:</u></p> <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> | | |
| | OSHA PEL: | ACGIH TLV: |
| 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 (<i>H₂O = 1</i>) | 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 |
|---|
| <u>Stability:</u> |
| Stable. |
| <u>Conditions to avoid:</u> |
| Heat, sparks, and flames. |
| <u>Materials to avoid:</u> |
| May react with strong oxidizing agents. |
| <u>Hazardous Decomposition Products:</u> |
| Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion. |
| <u>Hazardous Polymerization:</u> |
| Will not occur. |



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| TOXICOLOGICAL INFORMATION – SECTION 11 | | | | |
|--|-------------------|---------|------------------|-----------|
| Type of Test | Route of Exposure | Effects | Species Observed | Dose Data |
| No information available. | | | | |

| ECOLOGICAL INFORMATION – SECTION 12 |
|--|
| Ecotoxicity: No information available. |
| Mobility: No information available. |
| Persistence and Degradability: No information available. |
| Bio accumulative Potential: No information available. |

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

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



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| IMDG CLASSIFICATION: | |
|-----------------------------|--|
| 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.

Micki Lehman

From: Joe Sutedjo [jsutedjo@kc-ph.com]
Sent: Thursday, May 22, 2008 2:25 PM
To: Tim Edman
Subject: MSDS exemption

Tim,

KC Pharmaceuticals products supplied to First Aid Only is exempt from MSDS requirements as per 29CFR 1910.1200 section (b)(6)(vii).

The items are as follow:

1. Eye Wash 4oz (9SALP0401MC)
2. Eye Drops Regular 1/2oz (9EDRG0051MC)
3. Eye Drops Advanced Relief 1/2oz (9EDAR0051MC)

Please let me know if you have any questions.

Regards,

Joe Sutedjo
KC Pharmaceuticals

Joseph Sutedjo
President
KC Pharmaceuticals, Inc.
Phone: (909) 598 9499 ext. 12
Fax: (909) 595 9332
E-mail: jsutedjo@kc-ph.com

=====
This email message and any attachments are for the sole use of the intended recipient(s) and may contain information that is proprietary to KC Pharmaceuticals or otherwise confidential or legally privileged, and protected from disclosure, copying and distribution. If you have received this transmission in error, please notify the sender immediately by replying to this transmission, and delete all copies of this message and any attachments.

7/3/2008



MATERIAL SAFETY DATA SHEET

| | | |
|-----------------------------|-----------------|------------|
| First Aid Burn Cream | MSDS No.: | 007 |
| | Revision No.: | 5 |
| | Effective Date: | 12/27/2010 |

| 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: | First Aid Burn Cream |
| Synonyms: | Topical Cream, Burn Cream |
| Intended Use: | First aid to help prevent infection and for temporary relief of pain 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: | Cetyl Alcohol | |
| Percent: | Proprietary | |
| CAS Number: | 36653-82-4 | |
| Exposure Limits: | None Established | |
| Chemical Name: | Germaben II | |
| Percent: | Proprietary | |
| CAS Number: | No information available. | |
| Exposure Limits: | None Established | |
| Chemical Name: | Glycerin | |
| Percent: | Proprietary | |
| CAS Number: | 56-81-5 | |
| Exposure Limits: | ACGIH TWA (Glycerin Mist): | OSHA PEL (Glycerin Mist): |
| | <u>Total Dust:</u> 15 mg/m ³ | <u>Total Dust:</u> 10 mg/m ³ |
| | <u>Respirable Fraction:</u> 5 mg/m ³ | <u>Respirable Fraction:</u> 5 mg/m ³ |
| Chemical Name: | Glyceryl Monostearate SE (Glyceryl Stearate) | |
| Percent: | Proprietary | |
| CAS Number: | 31566-31-3 | |
| Exposure Limits: | <u>TWA (Stearates):</u> | |
| | 10 mg/m ³ | |



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| | |
|-------------------------|-------------------|
| Chemical Name: | White Mineral Oil |
| Percent: | Proprietary |
| CAS Number: | 8042-47-5 |
| Exposure Limits: | None Established |
| Chemical Name: | Peg 100 |
| Percent: | Proprietary |
| CAS Number: | 25322-68-3 |
| Exposure Limits: | None Established |
| Chemical Name: | Stearic Acid |
| Percent: | Proprietary |
| CAS Number: | 57-11-4 |
| Exposure Limits: | None Established |

| HAZARDS IDENTIFICATION – SECTION 3 | |
|--|---|
| EMERGENCY OVERVIEW & HAZARDS PRESENT TO MAN AND THE ENVIRONMENT | May cause irritation to eyes and may cause irritation of the digestive tract when ingested. |
| PRIMARY ROUTES OF EXPOSURE | Eye contact, Ingestion |
| POTENTIAL HEALTH EFFECTS: | |
| Eyes: | May cause irritation, characterized by a burning sensation, redness, tearing, inflammation, dryness, and possible other effects. |
| Skin: | No adverse conditions expected. |
| Inhalation: | Unlikely route of exposure. |
| Ingestion: | May cause irritation of the digestive tract. |
| MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: | No information available. |
| CHRONIC HEALTH EFFECTS: | |
| Eyes: | Flush eyes with clear running water for a minimum of fifteen (15) minutes while holding eyelids open; if irritation persists, seek medical attention. |
| Skin: | No adverse conditions expected. |
| Inhalation: | Unlikely route of exposure. |
| Ingestion: | Rinse out mouth and drink lots of water. In case of unusual symptoms, seek medical attention and show physician the container details. |



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| FIRST AID MEASURES – SECTION 4 | |
|--|--|
| <i>SEEK MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE.</i> | |
| FIRST AID MEASURES: | |
| Eyes: | Flush immediately with large amounts of water. If redness or irritation persists, contact a physician. |
| Skin: | No adverse conditions expected. |
| Inhalation: | Unlikely route of exposure. |
| Ingestion: | Contact a physician immediately. |
| Instructions for Physician: | Available date does not identify any conditions. |

| FIRE FIGHTING MEASURES – SECTION 5 | | | |
|---|-------------|-------------------|-----------------|
| <i>NFPA Classification</i> | | | |
| <u>Health</u> | <u>Fire</u> | <u>Reactivity</u> | <u>Other</u> |
| 1 | 0 | 0 | N/A |
| FLAMMABILITY PROPERTIES | | | |
| Flash Point: | N/A | Method: | N/A |
| Flammability Limits: (in air % by volume) | LEL: | N/A | UEL: N/A |
| Autoignition Temperature: | | | |
| N/A | | | |
| Hazardous Combustion Products: | | | |
| Carbon Monoxide, Carbon Dioxide | | | |
| Extinguishing Media: | | | |
| Use extinguishing media appropriate for the surrounding fire. Use water spray, foam or dry chemical. | | | |
| Prohibited Extinguishing Media: | | | |
| In fires involving large quantities of this product, the use of large streams of water should be avoided. | | | |
| Firefighting Instructions: | | | |
| Use self-contained breathing apparatus when fighting fires that involve this material. | | | |
| Unusual Fire and Explosion Hazards: | | | |
| Carbon monoxide and carbon dioxide may be generated. | | | |



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| | |
|---|--|
| ACCIDENTAL RELEASE MEASURES – SECTION 6 | |
| Environmental Precautions: | |
| No information available. | |
| Cleanup Methods: | |
| <u>Small spills:</u> Spills should be collected with approved inert absorbent for disposal. | |
| <u>Large spills:</u> Spills should be collected with approved absorbent for disposal. | |

| | |
|---|---|
| HANDLING & STORAGE – SECTION 7 | |
| Handling: | Keep this and other chemicals out of reach of children. |
| Storage: | Do not store or mix with strong acids or oxidizers. |
| Specific Uses: | First aid to help prevent infection and for temporary relief of pain in minor cuts, scrapes and burns. For external use only. |

| | | |
|---|--|--|
| EXPOSURE CONTROLS / PERSONAL PROTECTION – SECTION 8 | | |
| EXPOSURE CONTROLS: | | |
| Exposure Limits Values: | | |
| | OSHA PEL: | ACGIH TLV: |
| Stearates (Glyceryl Stearate) | Not Established | 10 mg/m ³ |
| Glycerin Mist (Glycerin) | <u>Total Dust:</u> 15 mg/m ³ | <u>Total Dust:</u> 10 mg/m ³ |
| | <u>Respirable Fraction:</u> 5 mg/m ³ | <u>Respirable Fraction:</u> 5 mg/m ³ |
| Engineering Controls: | | |
| Local Exhaust is recommended. | | |
| PERSONAL PROTECTIVE EQUIPMENT: | | |
| Respiratory Protection: | | |
| None required under normal conditions. | | |
| Hand Protection: | | |
| None required under normal conditions. | | |
| Eye/Face Protection: | | |
| Eye protection, as necessary to prevent excessive contact. | | |
| Skin Protection: | | |
| None required under normal conditions. | | |
| General Hygiene Considerations: | | |
| Practice safe work habits. Use according to label instructions. | | |

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Other Protective Equipment:
 Eye wash stations should be nearby and ready for use.

PHYSICAL & CHEMICAL PROPERTIES – SECTION 9

| | |
|---|---------------------------|
| PRODUCT: | First Aid Burn Cream |
| General Information: | |
| Appearance | White homogeneous cream |
| Odor | Slightly fatty odor |
| Important Health, Safety, and Environmental Information: | |
| Boiling Point | 135°C 275°F |
| Melting Point | 60°C (140°F) |
| Flash Point | N/A |
| Explosive Properties | No information available. |
| Oxidizing Properties | No information available. |
| Specific Gravity ($H_2O = 1$) | 0.81 |
| Water Solubility | Miscible |
| 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 | 0.07 |
| % Volatile (<i>By Volume @ 68°F</i>) | 65 |

STABILITY & REACTIVITY – SECTION 10

Stability:
 This material is stable under normal conditions.

Conditions to avoid:
 Extreme heat

Materials to avoid:
 Strong oxidants, Strong Acids

Hazardous Decomposition Products:
 Carbon Monoxide, Carbon Dioxide

MATERIAL SAFETY DATA SHEET

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| |
|--|
| <u>Hazardous Polymerization:</u> Will not occur. |
|--|

| |
|---|
| 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> |
|---|--------------------------|----------------|-------------------------|------------------|
| LD ₅₀ – (Cetyl Alcohol) | Oral | Death | Rodent - Rat | 5 mg/kg |
| LD ₅₀ – (Glycerin) | Oral | Death | Rodent - Rat | 12600 mg/kg |
| LD ₅₀ – (Glyceril Stearate) | Intraperitoneal | Death | Rodent - Mouse | 200 mg/kg |
| LD ₅₀ – (Mineral Oil) | Oral | Death | Rodent - Mouse | 22 gm/kg |
| LD ₅₀ – (Stearic Acid) | Intravenous | Death | Rodent - Rat | 21500 ug/kg |

| |
|--|
| 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 |
|--|

| |
|--|
| Dispose of in accordance with Local, State, and Federal regulations. |
|--|

| |
|---|
| TRANSPORT INFORMATION – SECTION 14 |
|---|

| | |
|-----------------------------------|---------------------------------------|
| <u>DOT CLASSIFICATION:</u> | |
| UN Number: | Not Regulated for Domestic Transport. |
| Class: | |



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| | |
|------------------------------------|--|
| Proper Shipping Name: | Not regulated for Domestic Transport. |
| 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: | |
| <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 | <u>TWA (Glycerin Mist):</u> |
| | <u>Total Dust:</u> 15 mg/m³ |
| | <u>Respirable Fraction:</u> 5 mg/m³ |
| | <u>TWA (Stearates):</u> |
| | 10 mg/m ³ |
| CAA Section 112 | Not Listed |
| CERCLA | Not Listed |
| IARC | Not Listed |
| NTP | Not Listed |
| OSHA | <u>OSHA PEL (Glycerin Mist):</u> |
| | <u>Total Dust:</u> 10 mg/m³ |
| | <u>Respirable Fraction:</u> 5 mg/m³ |
| SARA Title III | Not Listed |



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| | |
|---------------------------------|------------|
| 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 | Not Listed |

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.