

**MATERIAL SAFETY DATA SHEET FOR [BZK ANTISEPTIC TOWELETTE](#)**

**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: BZK ANTISEPTIC TOWELETTE D35100, D35185, D35187, K45881  
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

Hazardous Ingredients	% ACGIH TLV	CAS NUMBER
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 (H<sub>2</sub>O = 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 BYPRODUCTS: NONE  
POLYMERIZATION: WILL NOT OCCUR  
CONDITIONS TO AVOID: NONE

**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**

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.

NFPA Classification	DOT / TDG Pictograms	WHMIS Classification	PROTECTIVE CLOTHING
Health Flammability: 0 Reactivity: 3 Specific Hazard: OXY			

## Section I. Chemical Product and Company Identification

<b>PRODUCT NAME/ TRADE NAME</b> Ammonium Nitrate, Prilled Fertilizer Grade 34.5-0-0	
<b>SYNONYM</b> 34.5-0-0 Prilled Ammonium Nitrate Fertilizer	<b>MSDS NUMBER:</b> 14082
<b>CHEMICAL NAME</b> Ammonium nitrate.	<b>REVISION NUMBER</b> 4.5
<b>CHEMICAL FAMILY</b> Nitrate salt. (Oxidizing agent)	<b>MSDS prepared by the Environment, Health and Safety Department on:</b> March 5, 2001
<b>CHEMICAL FORMULA</b> NH <sub>4</sub> NO <sub>3</sub>	<b>24 HR EMERGENCY TELEPHONE NUMBER:</b>  <b>Transportation: 1-800-792-8311</b> <b>Medical: 1-888-670-8123</b>
<b>MATERIAL USES</b> Agricultural industry: Fertilizer. Industrial applications: Manufacture of chemicals. Manufacture of specialty fertilizers.	
<b>MANUFACTURER</b> Agrium North American Wholesale 13131 Lake Fraser Drive, S.E. Calgary, Alberta, Canada T2J 7E8	<b>SUPPLIER</b> Agrium North American Wholesale 13131 Lake Fraser Drive, S.E. Calgary, Alberta, Canada, T2J 7E8  Agrium U.S. Inc. Suite 1700, 4582 South Ulster St. Denver, Colorado, U.S.A., 80237

## Section II. Hazardous Ingredients

NAME	CAS #	Exposure Limits (ACGIH)						% by Weight
		TLV-TWA mg/m <sup>3</sup>	TLV-TWA ppm	STEL mg/m <sup>3</sup>	STEL ppm	CEIL mg/m <sup>3</sup>	CEIL ppm	
Ammonium nitrate	6484-52-2	10						99.8
<b>TOXICOLOGICAL DATA ON INGREDIENTS</b>	<b>Ammonium Nitrate:</b> Non-Human Toxicity Values: Rat oral LD50: 4500 mg/kg. [Peer Reviewed] [Environment Canada; Tech Info for Problem Spills: Ammonium Nitrate (Draft) p.59 (1981)] Rat oral LD50: 2217 mg/kg (Rat) [Gigiena i Sanitariya. For English translation, see HYSAAV. (V/O Mezhdunarodnaya Kniga, 113095 Moscow, USSR) V.1- 1936- (52(8),25,1987)] TFI Product Testing Results, OECD Guideline 402, October 2000: > 5,000 mg/kg acute dermal LD 50, rat, OECD SIDS (Screening Information Data Set): acute oral LD <sub>50</sub> , 1479 - 1772 mg/kg, rat. Not teratogenic to rats at 57 mg/kg  Ecotoxicity Values: LD50 Aspergillus niger (fungus) 15 mg/l/40 hr (36 deg C). [Peer Reviewed] [Environment Canada; Tech Info] OECD SIDS: 48 hr LC <sub>50</sub> , 1.15-1.72 mg un-ionized NH <sub>3</sub> /L, Rainbow Trout; 48 hr LC <sub>50</sub> , 95-102 mg total NH <sub>3</sub> /L, Rainbow Trout; EC <sub>50</sub> , 125 mg/L, Daphnia; EC <sub>50</sub> , 18.7 mg/L, Phytoplankton							

**Section III. Hazards Identification.**

<b>POTENTIAL ACUTE HEALTH EFFECTS</b>	<p>May interfere with the oxygen carrying capacity of the blood if ingested in large quantities or over a prolonged period of time. Persons with anemia, bowel diseases, or infants, are more likely to develop effects. Over-exposure by ingestion is unlikely under normal working conditions. Inhalation of dusts may cause respiratory irritation. This product may irritate eyes and skin upon contact but is unlikely to injure tissue.</p> <p>Symptoms of overexposure may include:  Cardiovascular: methemoglobinemia, low blood pressure (hypotension), irregular heart beat (arrhythmia), shock (vasodilation)  CNS: headache, dizziness, generalized tingling sensation (parasthesia)  Gastrointestinal: nausea, vomiting, diarrhea, abdominal pain  Eye: redness and inflammation (conjunctivitis)  Skin: bluish discoloration (cyanosis) with profuse sweating following ingestion or irritation and flushed skin following contact with moist skin surfaces.</p>
<b>POTENTIAL CHRONIC HEALTH EFFECTS</b>	<p><b>CARCINOGENIC EFFECTS:</b> NONE by ACGIH, EPA, IARC, NTP, OSHA. <b>MUTAGENIC EFFECTS:</b> NONE by ACGIH, EPA, IARC, NTP, OSHA. <b>TERATOGENIC EFFECTS:</b> NONE by ACGIH, EPA, IARC, NTP, OSHA.</p> <p>Repeated or prolonged overexposure by ingestion can reduce the oxygen carrying capacity of the blood producing anoxia in infants or individuals with preexisting bowel or blood diseases. Ensure that nitrate containing fertilizers are not applied near wells where contamination may occur. Consult your agronomist regarding the advisability and precautions for use of nitrate fertilizers on fruit or vegetable crops.</p>

**Section IV. First Aid Measures**

<b>EYE CONTACT</b>	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Obtain medical attention if irritation persists.
<b>MINOR SKIN CONTACT</b>	May cause skin irritation. Wash contaminated skin with soap and water. Cover dry or irritated skin with a good quality skin lotion. If irritation persists, seek medical attention.
<b>EXTENSIVE SKIN CONTACT</b>	No additional information.
<b>MINOR INHALATION</b>	Inhalation of dust may produce irritation, burning, sneezing and coughing. Long term exposure may cause headache, nausea or weakness. Loosen tight clothing. Allow affected persons to rest in a well ventilated area. Obtain medical attention if irritation persists.
<b>SEVERE INHALATION</b>	In emergency situations use proper respiratory protection to evacuate affected individuals to a safe area as soon as possible. Loosen tight clothing around the person's neck and waist. Oxygen may be administered if breathing is difficult. If the person is not breathing, perform artificial respiration. Obtain immediate medical attention.
<b>SLIGHT INGESTION</b>	If conscious, have person drink several glasses of water or milk and induce vomiting. Never give anything by mouth to an unconscious person. Lower the head so that the vomit will not reenter the mouth and throat. Obtain medical attention.
<b>EXTENSIVE INGESTION</b>	No additional information.

**Section V. Fire and Explosion Data**

<b>THE PRODUCT IS</b>	Non-flammable.
<b>AUTO-IGNITION TEMPERATURE</b>	Not applicable.
<b>FLASH POINT</b>	Not applicable.
<b>FLAMMABILITY LIMITS</b>	Not applicable.
<b>PRODUCTS OF COMBUSTION</b>	Material will not burn, but thermal decomposition may result in flammable/toxic gases being formed. These products are nitrogen oxides and ammonia (NO, NO <sub>2</sub> , NH <sub>3</sub> ).

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<b>FIRE HAZARD IN THE PRESENCE OF VARIOUS SUBSTANCES</b>	Not applicable.
<b>EXPLOSION HAZARD IN THE PRESENCE OF VARIOUS SUBSTANCES</b>	<p>Oxidizer: Material is an oxidizer which may react readily with other materials, especially upon heating. Studies conducted by the Canadian Center for Mineral and Energy Technology Explosives Research Laboratory indicate that Agrium Ammonium Nitrate Fertilizer meets The Fertilizer Institute Detonation Resistance and Burn Test for classification of the material as "fertilizer".</p> <p>In confinement and in the presence of a strong detonation source, the material can explode when subject to sudden shock, pressure, or high temperature. Avoid temperatures above 210 °C (410 °F) which may cause thermal decomposition or explosion, especially in confined or poorly ventilated spaces.</p> <p>Incompatible with sulfur, chlorides, reducing agents, or other oxidizers. Incompatible with finely powdered metals (cadmium, copper, lead, cobalt, nickel, bismuth, chromium, magnesium, zinc, sodium, potassium and aluminum).</p>
<b>FIRE FIGHTING MEDIA AND INSTRUCTIONS</b>	Oxidizing material. Cool containing vessels with water jet in order to prevent pressure build-up, or explosion. Use flooding quantities of water. Evacuate surrounding area. Material will not burn. Melts and undergoes thermal decomposition at elevated temperatures to release visible clouds of toxic and combustible gases (ammonia, carbon dioxide, and oxides of nitrogen). If fumes or gases may be present, fire fighters should wear self-contained breathing apparatus.
<b>SPECIAL REMARKS ON FIRE HAZARDS</b>	Material supports combustion. Powerful oxidizing agent, supports combustion by liberating oxygen even if smothered. Avoid temperatures above 210°C (410°F) in confined or poorly ventilated spaces. Explosive when exposed to heat or flame <u>under confinement</u> . Avoid pressure build-up. Thermal decomposition or explosion may result. Ventilate to cool and flood with water to stop decomposition reaction. Contain and collect all runoff for treatment. Prevent fire water from reaching water courses or aquifers.
<b>SPECIAL REMARKS ON EXPLOSION HAZARDS</b>	<p>Industry studies have proposed the following rules for blends of ammonium nitrate with phosphate and potassium containing fertilizers:</p> <p>a) Ammonium nitrate fertilizers are reported not to detonate unless the fertilizer contains at least 70% ammonium nitrate, unless ammonium sulfate is present in the blend. Blended ammonium nitrate - ammonium sulfate fertilizers may detonate with as little as 45% ammonium nitrate present.</p> <p>b) It has been reported that it is desirable to keep the ammonium to nitrate ratio above 1.5 in fertilizer blends in order to minimize toxic gas release during "cigar burn" fires.</p> <p>c) "Cigar burn" is considered to be a hazard primarily when the ammonium nitrate content of a blend is between 20-40%. Cigar burn is a rare phenomenon which requires the combustion of a separate combustible material such as sulfur which can cause thermal decomposition of nearby ammonium nitrate.</p>

### Section VI. Accidental Release Measures

<b>SMALL SPILL</b>	Use appropriate tools or equipment to place the spilled solid in a suitable container for reuse or disposal.
<b>LARGE SPILL</b>	In the event of a spill, prevent additional discharge of material, if possible to do so without hazard. Prevent spills from entering sewers, watercourses, wells, etc. Product will promote algae growth which may degrade water quality and taste. Notify downstream water users. Nitrate in potable drinking water should be maintained below 10 mg/L. Will dissolve and disperse in water. Put the material into a suitable container for reuse or disposal.

### Section VII. Handling and Storage

<b>PRECAUTIONS</b>	Keep away from heat, combustible materials, and reducing agents. Avoid contact with skin and eyes. DO NOT ingest or breathe dust. Take precautions against electrostatic discharges. Keep out of reach of children. Keep away from food, drink and animal feed.
<b>STORAGE</b>	Store in a dry, cool and well ventilated area. Keep away from food, drink and animal feeds. Keep away from combustible materials. Keep away from incompatible materials. Do not blend or store in contact with urea. Dry urea and dry ammonium nitrate will react together to produce a slurry.

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**Section VIII. Exposure Controls/Personal Protection**

<b>ENGINEERING CONTROLS</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne contaminants below the exposure limit.
<b>PERSONAL PROTECTION</b>	The selection of personal protective equipment varies, depending upon conditions of use. Wear appropriate respiratory protection for dust/mist when ventilation is inadequate. A filtering facepiece dust mask is recommended for most applications if respiratory protection is needed. Where skin and eye contact may occur as a result of brief periodic exposures, wear long sleeved clothing, coveralls, chemical resistant gloves, and safety glasses with side shields.
<b>PERSONAL PROTECTION IN CASE OF LARGE RELEASE</b>	No additional information.
<b>EXPOSURE LIMITS</b>	ACGIH TLV-TWA: 10 mg/m <sup>3</sup> as particulate not otherwise classified. U.S. OSHA PEL: 15mg/m <sup>3</sup> as particulate not otherwise classified.  Permissible exposures may vary from jurisdiction to jurisdiction. Consult local authorities for acceptable exposure limits in your area.

**Section IX. Physical and Chemical Properties**

<b>PHYSICAL STATE AND APPEARANCE</b>	Solid. (Prills or granules.)		
<b>MOLECULAR WEIGHT</b>	Not available.	<b>COLOR</b>	White.
<b>pH (10% SOLN/WATER)</b>	6 [Acidic.]	<b>ODOR</b>	Odorless.
<b>BOILING POINT</b>	Decomposes.	<b>ODOR THRESHOLD</b>	Not available.
<b>MELTING POINT</b>	170°C (338°F)	<b>TASTE</b>	Disagreeable. Acid. (Strong.)
<b>CRITICAL TEMPERATURE</b>	Not available.	<b>VOLATILITY</b>	0% (v/v). 0% (w/w).
<b>SPECIFIC GRAVITY g/cc</b>	0.92 (Water = 1)	<b>SOLUBILITY</b>	Easily soluble in cold water, hot water. Soluble in acetone. Partially soluble in methanol.
<b>BULK DENSITY kg/m<sup>3</sup> ; lbs/ft<sup>3</sup></b>	Loose: 913; 57.7	<b>DISPERSION PROPERTIES</b>	See solubility in water, methanol, acetone.
<b>VAPOR PRESSURE</b>	0 mm of Hg (@ 20°C)	<b>WATER/OIL DIST. COEFF.</b>	Not available.
<b>VAPOR DENSITY</b>	Not available.		

**Section X. Stability and Reactivity Data**

<b>STABILITY</b>	The product is stable.
<b>INSTABILITY TEMPERATURE</b>	Not available.
<b>CONDITIONS OF INSTABILITY</b>	No additional information.
<b>INCOMPATIBILITY WITH VARIOUS SUBSTANCES</b>	Reactive with combustible materials. Slightly reactive to reactive with reducing agents, organic materials, metals, moisture. Very slightly to slightly reactive with alkalis. Non-reactive with acids.
<b>CORROSIVITY</b>	Slightly corrosive to aluminum, zinc, and copper. Non-corrosive to steel and stainless steel (304 or 316).
<b>SPECIAL REMARKS ON REACTIVITY</b>	Absorbs moisture from the air. Incompatible with magnesium, zinc, sodium, potassium, and other finely powdered metals. May explode by detonation, heat or shock.
<b>SPECIAL REMARKS ON CORROSIVITY</b>	

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Avoid contact with moisture. Slow hydrolysis will produce acids which may slowly corrode metals. Contact your sales representative or a metallurgical specialist to ensure compatibility with system equipment.

### Section XI. Toxicological Information

<b>SIGNIFICANT ROUTES OF EXPOSURE</b>	Ingestion. Inhalation.
<b>TOXICITY TO ANIMALS</b>	See Section II.
<b>SPECIAL REMARKS ON TOXICITY TO ANIMALS</b>	Toxic to livestock, wildlife, and domestic animals if directly ingested. Ensure that all spillage is cleaned up and that top dressing on pasture lands is applied uniformly. Allow 2 - 4 days to pass after application before returning livestock to pasture. The product itself and its products of degradation are not harmful under normal conditions of careful and responsible use.
<b>OTHER EFFECTS ON HUMANS</b>	Recent studies undertaken by the U.S. Government using Canadian and American databases have determined that ammonium nitrate fertilizer does not demonstrate any risk of gastrointestinal cancer.
<b>SPECIAL REMARKS ON CHRONIC EFFECTS ON HUMANS</b>	Exposure can cause headache, stomach pains, vomiting and diarrhea. Produces methemoglobin which reduces oxygen supply in the circulating blood. Although predominantly affecting infants, nitrate induced methemoglobinemia has also been documented in adults.
<b>SPECIAL REMARKS ON OTHER EFFECTS ON HUMANS</b>	ACGIH TLV is based on "Particulates Not Otherwise Classified".

### Section XII. Ecological Information


<b>ECOTOXICITY</b>	<p>Non-persistent. Non-cumulative when applied using normal agricultural practises. Low toxicity for humans or animals under normal conditions of use. May be harmful to livestock and wildlife if ingested. Clean up all spilled material, especially where bulk fertilizer loading of equipment occurs to prevent animal exposure.</p> <p>Aquatic/Marine Toxicity: Will release ammonium ions. Ammonia is a toxic hazard to fish. Avoid spills or release to watercourses. Will disperse with current. Release to watercourses may cause effects down stream from the point of release. U.S. D.O.T.: This material NOT listed as a Marine pollutant.</p>
<b>BOD and COD</b>	Not available.
<b>PRODUCTS OF DEGRADATION</b>	Not applicable.
<b>TOXICITY OF THE PRODUCTS OF DEGRADATION</b>	The product itself and its products of degradation are not harmful under normal conditions of use. Avoid spills or releases to watercourses.
<b>SPECIAL REMARKS ON THE PRODUCTS OF DEGRADATION</b>	Product will promote algae growth which may degrade water quality and taste. Notify downstream water users. Nitrate in potable drinking water should be maintained below 10mg/L. Will dissolve and disperse in water.

### Section XIII. Disposal Considerations

<b>WASTE DISPOSAL OR RECYCLING</b>	Recycle to process, if possible. Recover and place material in a suitable container for intended use or disposal. Ensure disposal complies with government requirements and local regulations.
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**Section XIV. Transport Information**

<b>DOT / TDG CLASSIFICATION</b>	TDG/DOT CLASS 5.1: Oxidizing substance.
<b>PIN</b>	Proper Shipping Name: Ammonium Nitrate UN1942 PG: III
<b>SPECIAL PROVISIONS FOR TRANSPORT</b>	<p>Exemption under 49 CFR Part §173.5 for Agricultural operations:</p> <p>(a) The transportation of an agricultural product other than a Class 2 material, over local roads between fields of the same farm, is excepted from the requirements of this subchapter when:</p> <p>(a)(1) It is transported by a farmer who is an intrastate private motor carrier; and</p> <p>(a)(2) The movement of the agricultural product conforms to requirements of the State in which it is transported and is specifically authorized by a State statute or regulation in effect before October 1, 1998.</p> <p>(b) The transportation of an agricultural product to or from a farm, within 150 miles of the farm, is excepted from the requirements in subparts G and H of part 172 of this subchapter and from the specific packaging requirements of this subchapter when:</p> <p>(b)(1) It is transported by a farmer who is an intrastate private motor carrier;</p> <p>(b)(2) The total amount of agricultural product being transported on a single vehicle does not exceed:</p> <p>(b)(2)(i) 7,300 kg (16,094 lbs.) of ammonium nitrate fertilizer properly classed as Division 5.1, PG III, in a bulk packaging, or</p> <p>(b)(2)(ii) 1900 L (502 gallons) for liquids or gases, or 2,300 kg (5,070 lbs.) for solids, of any other agricultural product;</p> <p>(b)(3) The movement and packaging of the agricultural product conform to the requirements of the State in which it is transported and are specifically authorized by a State statute or regulation in effect before October 1, 1998; and</p> <p>(b)(4) Each person having any responsibility for transporting the agricultural product or preparing the agricultural product for shipment has been instructed in the applicable requirements of this subchapter.</p> <p>Where an agricultural product is defined under 49FR §171.8 as: Agricultural product means a hazardous material, other than a hazardous waste, whose end use directly supports the production of an agricultural commodity including, but not limited to a fertilizer, pesticide, soil amendment or fuel. An agricultural product is limited to a material in Class 3, 8 or 9, Division 2.1, 2.2, 5.1, or 6.1, or an ORM–D material.</p> <p>Exempt under Canadian TDGR Sec 2.32.4 2(a)(b)(c)and (d): Retail deliveries of less than 13.6 tonnes of ammonium nitrate fertilizers (PIN #s: 1942, 2067, 2069, 2070, or 2072) are exempt from Sections IV, V, and 9.2 to 9.7 of the TDGR if carrying a record sheet identifying the Proper Shipping Name, PIN #, and quantity of fertilizer transported.</p>
<b>DOT (U.S.A) (Pictograms)</b>	

**Section XV. Other Regulatory Information and Pictograms**

<b>OTHER REGULATIONS</b>	<p>U.S. Allowable Tolerances (FIFRA Requirements):</p> <ol style="list-style-type: none"> <li>Ammonium nitrate is exempted from the requirement of a tolerance when used as a desiccant or defoliant in the production of cottonseed, grain sorghum, peppers, potatoes, sweet potatoes. 40 CFR 180.1018 (7/1/91)</li> <li>Ammonium nitrate is exempted from the requirement of a tolerance when used as an adjuvant/intensifier for herbicides in accordance with good agricultural practice as inert (or occasionally active) ingredients in pesticide formulations applied to growing crops only. 40 CFR 180.1001(d) (7/1/91)</li> </ol> <p>FDA Requirements:</p> <ol style="list-style-type: none"> <li>Bottled water shall, when a composite of analytical units of equal volume from a sample is examined by the methods described in paragraph (d)(1)(ii) of this section, meet the standards of chemical quality and shall not contain nitrate, as nitrogen, in excess of 10.0 mg/l. /Nitrate, as nitrogen. 21 CFR 103.35 (4/1/91)</li> </ol> <p>TSCA - Sect. 8(b) Inventory: XU</p>
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California - Air Bill 2588 (Air Toxics Hot Spots) Appendix A-I: 6/91; ADOA 100.0 lbs/yr  
 California - Toxic Air Contaminant List Category III (AB 1807, AB 2728)  
 Massachusetts RTK List - Present  
 NJ Department of Health RTK List: sn 0106  
 NJ Special Hazardous Substances: (reactive - third degree)  
 Pennsylvania RTK List: environmental hazard  
 Rhode Island Hazardous Substance List - Present

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): This product or its ingredients is on the Domestic Substances List (DSL), and acceptable for use under the provisions of CEPA.

Canada - Domestic Substances List - Present  
 Canada - WHMIS Classification of Substances: C; D2B  
 EINECS Inventory: 229-347-8

Japan - Existing and New Chemical Substances Inventory: 1-395

Korea - Existing and Evaluated Chemical Substances Inventory: KE-01715

Taiwan - Dangerous and Toxic Materials List: Dangerous material - Oxidizer

CERCLA/SUPERFUND, 40 CFR 117, 302: This product contains no Reportable Quantity (RQ) Substances.

SARA HAZARD CATEGORY: This product has been revised according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following category(ies):

Immediate Health, Fire, Reactive

The following product is listed in SARA Section 313 (40 CFR Part 372):

Ammonium nitrate, CAS # 6484-52-2 (if in solution).

This product is not considered as a priority pollutant as regulated under the Clean Water Act.

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**OTHER CLASSIFICATIONS**

**HCS (U.S.A.)** HCS CLASS: Oxidizer.

**DSCL (EEC)** R2- Risk of explosion by shock, friction, fire or other sources of ignition.  
 R8- Contact with combustible material may cause fire.  
 R9- Explosive when mixed with combustible material.

**National Fire Protection Association (U.S.A.)**

Hazards presented under acute emergency conditions only:

Health



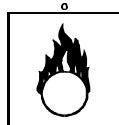
**Fire Hazard  
 Reactivity**

**Specific Hazard**

**TDG (Pictograms - Canada)**



**DSCL (Europe) (Pictograms)**



**ADR (Europe) (Pictograms)**



**Section XVI. Other Information**

**REFERENCES**

- Transportation of Dangerous Goods Act (1992) and Regulations.
- Canada Gazette Part II, Vol. 122, No. 2 Registration SOR/88-64 31 December, 1987 Hazardous Products Act "Ingredient Disclosure List".
- Domestic Substances List, Canadian Environmental Protection Act.
- 29 CFR Part 1910
- 40 CFR Parts 1-799
- 49 CFR Parts 1-199
- American Conference of Governmental Industrial Hygienists, Threshold Limit Values for Chemical Substances, 2000.
- Corrosion Data Survey, Sixth Edition, 1985, National Association of Corrosion Engineers.
- Fire Protection Guide to Hazardous Materials, (NFPA49, 325M, 491M, and 704), National Fire Protection Association, 10th Ed, 1991.
- TOMES Plus®, Vol 43, Jan 2000, Micromedex Inc.
- The Fertilizer Institute Product Testing Plan Results, March 2001

**OTHER SPECIAL CONSIDERATIONS** Not applicable.

**FOR FURTHER SAFETY, HEALTH, OR ENVIRONMENTAL INFORMATION ON THIS PRODUCT, CONTACT** **AGRIUM**  
Environment, Health and Safety Department  
Telephone (780) 998-6134 or Fax (780) 998-6143

**NOTICE TO READER**

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**MATERIAL SAFETY DATA SHEET FOR [ALCOHOL PREP PADS & SWAB STICKS](#)**

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

REVISION DATE: 11/00

**I-PRODUCT IDENTIFICATION**

PRODUCT/TRADE NAME: ALCOHOL PREP/SWAB - B05507, B15901, B0550X, B33901, B33905, B33973, B60301, B60307, C29600, C69900, S84925, S81650, B05505EX, B24189, B3390V, B33902, B33907, B33966, B60305, B60389, C29695, S84925, S84970

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°F

VAPOR DENSITY: N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H<sub>2</sub>O = 1):N/A

**IV-FIRE & EXPLOSION HAZARD DATA**

FLASH POINT(Method Used): 78°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 OF BYPRODUCT NONE

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

**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: CONSUMER COMMODITY

TECHNICAL SHIPPING NAME: N/A

DOT SHIPPING CLASSIFICATION: "ORM -D"

DOT ID NO.: N/A

DOT LABEL REQUIREMENTS: N/A

UN/NA NUMBER REGULATIONS: N/A

REPORTABLE QUANTITY: N/A

**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.

**MATERIAL SAFETY DATA SHEET - Insect Sting Relief**

**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: 1/01

**I. PRODUCT IDENTIFICATION**

PRODUCT/TRADE NAME: INSECT STING RELIEF - B68789 B63695

HAZARD RATING (NFPA)

HEALTH: 1  
FLAMMABILITY: 3  
REACTIVITY: 0  
SPECIFIC: NONE

EMERGENCY OR INFORMATION

TELEPHONE NO: 45-365-1700 (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
SD ALCOHOL 40	60	1000 PPM	64-17-5
BENZOCAINE	6	NOT ESTABLISHED	94-09-7

**III PHYSICAL/CHEMICAL CHARACTERISTICS**

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

BOILING POINT: N/A

FLASH POINT: 82°F

VAPOR DENSITY: N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 0.905

**IV FIRE & EXPLOSION HAZARD DATA**

FLASH POINT(Method Used): 82OF (CC) LEL: N/A UEL: N/A

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

SPECIAL FIRE FIGHTING PROCEDURES: HANDLE AS FLAMMABLE LIQUID

UNUSUAL FIRE AND EXPLOSION HAZARDS: RESPIRATORY PROTECTION REQUIRED FOR FIRE FIGHTING PERSONNEL.

**V-REACTIVITY DATA**

STABILITY: STABLE

CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY: NONE KNOWN

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NONE KNOWN

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE KNOWN

INSECT STING RELIEF

**VI-HEALTH HAZARD DATA**

EFFECTS OF OVER EXPOSURE

SKIN : TOPICALLY APPLIED

EYES : WILL STING IF SPLASHED IN EYES

INHALATION: NONE KNOWN

INGESTION: NONE

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: IF RASH OR IRRITATION DEVELOP, DISCONTINUE USE

EYE CONTACT: RINSE WITH COOL WATER

INHALATION: NONE

INGESTION: IF INGESTED, SEEK MEDICAL ATTENTION

TARGET ORGANS: NONE KNOWN

**VII-SPILL AND DISPOSAL PROCEDURE**

SPILL CONTROL: ELIMINATE ALL SOURCES OF IGNITION. ABSORB WITH ABSORBENT MATERIAL.

WASTE DISPOSAL METHOD: PER LOCAL, STATE AND FEDERAL REGULATIONS

HANDLING AND STORAGE: STORE IN TIGHTLY CLOSED CONTAINERS AWAY FROM HEAT AND SOURCES OF IGNITION.

**VIII-CONTROL MEASURES/PROTECTION**

RESPIRATION: NONE REQUIRED

VENTILATION: NONE REQUIRED

PROTECTIVE GLOVES: YES. FOR BULK LIQUID

EYE PROTECTION: YES. FOR BULK LIQUID

HYGIENIC PRACTICES: FOLLOW GOOD HOUSEKEEPING PRACTICES

OTHER: NONE

**IX TRANSPORT/SHIPPING**

DOT SHIPPING NAME: CONSUMER COMMODITY

TECHNICAL SHIPPING NAME: N/A

DOT SHIPPING CLASSIFICATION: "ORM-D"

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

<p>May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.</p>	<p><b>HMIS HAZARD RATING</b></p>												
<p><b>SAFETEC OF AMERICA</b></p>	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">HEALTH</td> <td style="width: 33%;">1</td> <td style="width: 33%;">0 = INSIGNIFICANT</td> <td style="width: 33%;">3 = HIGH</td> </tr> <tr> <td>FLAMMABILITY</td> <td>1</td> <td>1 = SLIGHT</td> <td>4 = EXTREME</td> </tr> <tr> <td>REACTIVITY</td> <td>0</td> <td>2 = MODERATE</td> <td></td> </tr> </table>	HEALTH	1	0 = INSIGNIFICANT	3 = HIGH	FLAMMABILITY	1	1 = SLIGHT	4 = EXTREME	REACTIVITY	0	2 = MODERATE	
	HEALTH	1	0 = INSIGNIFICANT	3 = HIGH									
	FLAMMABILITY	1	1 = SLIGHT	4 = EXTREME									
REACTIVITY	0	2 = MODERATE											
<p><b>TRANSPORTATION INFORMATION</b></p>													
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">PROPER SHIPPING NAME</td> <td colspan="3">First Aid Ointment</td> </tr> <tr> <td>HAZARD CLASS / PKG. GRP.</td> <td>Not applicable</td> <td>REF.</td> <td>Not applicable</td> </tr> <tr> <td>IDENTIFICATION NUMBER</td> <td>Not applicable</td> <td>LABEL</td> <td>None Required Ground</td> </tr> </table>		PROPER SHIPPING NAME	First Aid Ointment			HAZARD CLASS / PKG. GRP.	Not applicable	REF.	Not applicable	IDENTIFICATION NUMBER	Not applicable	LABEL	None Required Ground
PROPER SHIPPING NAME	First Aid Ointment												
HAZARD CLASS / PKG. GRP.	Not applicable	REF.	Not applicable										
IDENTIFICATION NUMBER	Not applicable	LABEL	None Required Ground										

**SECTION 1 - PRODUCT / COMPANY IDENTIFICATION**

IDENTITY (AS USED ON LABEL AND LIST)	Page 1 of 2
<p><b>First Aid Only Antibiotic Ointment with Neomycin</b></p>	
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	March 26, 2003
	SUPERSEDES
	NA

**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>

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: Not likely due to the physical state of the product.	Remove to fresh air. Give artificial respiration if necessary.
EYES: Use only specified ophthalmic ointment in eyes. Topical ointment will cause eye irritation.	Flush eyes with copious amounts of water for at least 15 minutes.
INGESTION: May cause kidney, liver, and gastro-intestinal impairment; may induce dizziness, un-coordination, sensory loss and deafness.	Induce vomiting. Do not give anything to an unconscious person.
SKIN: Non-toxic under standard application.	Wash with soap and water.

**HEALTH HAZARDS (ACUTE AND CHRONIC):** Acute: Allergy, kidney and liver impairment, dizziness, un-coordination, sensory loss, deafness, nausea, vomiting and diarrhea.

Chronic: Repeated or prolonged exposure may cause allergic reactions in susceptible individuals.

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

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Susceptible individuals may have an allergic reaction

**MATERIAL SAFETY DATA SHEET**

IDENTITY (AS USED ON LABEL AND LIST)

**First Aid Only Antibiotic Ointment with Neomycin**

Page 2 of 2

Date: March 26, 2003

**SECTION 4 - FIRE FIGHTING MEASURES**

FLASH POINT (METHOD USED) Not available	FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component) LEL: Not available UEL: Not available
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**EXTINGUISHING MEDIA**Use extinguishing media appropriate for the surrounding fire. Use alcohol foam, dry chemical or CO<sub>2</sub>.**SPECIAL FIRE FIGHTING PROCEDURES**

Wear full protective clothing.

**UNUSUAL FIRE AND EXPLOSIVE HAZARDS**

May emit toxic fumes.

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

Assure slippery conditions are nullified. Add sand or dirt. Scoop up and remove. Wash area with soap and water. Dispose in accordance with federal, state, and local regulations.

**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 containers closed when not in use. Do not handle or store near heat, flames or oxidizers.

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

RESPIRATORY PROTECTION Not required	VENTILATION LOCAL EXHAUST: Recommended MECHANICAL (GENERAL): Not required
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**PROTECTIVE GLOVES**

Not required for normal use

**EYE PROTECTION**

Not required for normal use

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

Eye wash stations should be nearby and ready for use.

**WORK / HYGIENIC PRACTICES**

Practice safe work habits. Use according to label instructions.

**SECTION 7 - PHYSICAL / CHEMICAL PROPERTIES****BOILING POINT**

343°C (650 °F)

**SPECIFIC GRAVITY (WATER=1)**

0.84

**VAPOR PRESSURE (mm Hg)**

No data

**MELTING POINT**

54°C (130 °F)

**VAPOR DENSITY (AIR=1)**

No data

**PH (1% solution in water)**

No data

**SOLUBILITY IN WATER**

Insoluble

**EVAPORATION RATE (IPA=1)**

No data

**APPEARANCE AND ODOR**

White to off- white ointment

**% VOLATILES (BY VOLUME)**

No data

**SECTION 8 - STABILITY AND REACTIVITY****STABILITY**

UNSTABLE:

STABLE: XXX

**CONDITIONS TO AVOID**

Heat and oxidizing

**INCOMPATIBILITIES (MATERIALS TO AVOID)**

Extreme heat, sparks, open flame, oxidizers, strong acids and alkalies.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

May give off fumes of carbon monoxide and carbon dioxide.

**HAZARDOUS POLYMERIZATION**

MAY OCCUR:

WILL NOT OCCUR: XXX

**CONDITIONS TO AVOID**

Temperatures above 300°C,

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

### I. PRODUCT IDENTIFICATION

**COMMON/TRADE NAME:** 0.5% First Aid Cream  
(Product Identifier) With Aloe Vera

**ISSUE DATE:** 05/21/03

**Manufacturer:** Water Jel Technologies  
243 Veterans Boulevard  
Carlstadt, NJ 07072

**Emergency Phone #**  
800-275-3433  
201-507-8300

**MSDS PREPARED BY**  
Water Jel Technologies

**SUPPLIER:** As above

**PRODUCT USE:** First aid to help prevent infection and for temporary relief of pain in minor cuts, scrapes and burns. For external use only.

### II. INGREDIENTS

Hazardous ingredients are listed only if present at a concentration of 2% or greater (0.2% for carcinogens). For a complete list of product ingredients, consult product label.

NAME	%	LD <sub>50</sub>	LC <sub>50</sub>	CAS NUMBER
<b>HAZARDOUS PER OSHA<sup>1</sup></b>				
Glycerine	3	>17,000	4 6hr	56-81-5
Stearic acid	6	NA	NA	57-11-4

<sup>1</sup>HAZARDOUS AS DEFINED BY OSHA HAZARD COMMUNICATION STANDARD IN 29 CFR 1910.1200

LD<sub>50</sub> VALUES ARE GIVEN FOR ORAL RAT EXPOSURE IN MILLIGRAMS PER KILOGRAM OF BODY WEIGHT, AND LC<sub>50</sub> VALUES ARE GIVEN FOR INHALATION BY RATS IN MILLIGRAMS PER CUBIC METER OF AIR FOR 2 HOUR EXPOSURE PERIODS

ALL INGREDIENTS OF THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY

NA MEANS THE DATA WAS NOT APPLICABLE OR NOT AVAILABLE AS APPROPRIATE

ITEMS MARKED WITH AN ASTERISK ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW ACT OF 1986, AS AMENDED (40 CFR 372). THE TABLE BELOW GIVES THE FORM, WHEN APPLICABLE, AND DE MINIMIS CONCENTRATIONS. ITEMS ARE POTENTIALLY REPORTABLE ONLY WHEN PRESENT ABOVE THE DE MINIMIS CONCENTRATION, AND IF MANUFACTURED, PROCESSED OR OTHERWISE USED IN THE INDICATED FORM.

## Water-Jel Technologies MSDS 0.5% First Aid Cream With Aloe Vera

Chemical/Metal (form where applicable)	De Minimis Concentration
No SARA 313 chemicals above de minimis concentration	

### OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL/ELEMENT	ACGIH TLV	OSHA PEL	STEL
Glycerine	10 mg/m3	10 mg/m3	NA

The information in the above table is provided to conform with OSHA's guidelines for preparation of an MSDS. The form of the product as a cream, the intended use of the product, and the concentration of the Glycerine mean that exposure limits will not be exceeded or come close to being exceeded.

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### III. PHYSICAL DATA

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PARAMETER	DATA/DESCRIPTION
Physical Form and Appearance	White homogenous cream
Boiling Point	NA
pH	6.4 - 7.6
Water Solubility	Generally soluble, some components are not soluble.
Specific Gravity or Density	NA
Melting Point/Freezing Point	NA

**Water-Jel Technologies MSDS 0.5% First Aid Cream With Aloe Vera**

Vapor Density	NA
Vapor Pressure	NA
Reactivity in Water	Not reactive in water

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**IV. FIRE AND EXPLOSION DATA**

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**FLASH POINT**    **AUTO IGNITION TEMPERATURE**    **FLAMMABILITY LIMITS IN AIR**  
NA                      NA                                      NA

**EXTINGUISHING MEDIA -**

Product does not burn. However, product contains ingredients that float on water. In fires involving large quantities of the product, use of large stream of water should be avoided. In fires involving small quantities of the product, use appropriate extinguishing media for the primary cause of the fire.

**SPECIAL FIRE FIGHTING PROCEDURES -**

None

**UNUSUAL FIRE AND EXPLOSION HAZARDS -**

None

**HAZARDOUS DECOMPOSITION MATERIALS (UNDER FIRE CONDITIONS) -**

Carbon monoxide. Also, this product contains 0.5% Lidocaine HCl, which is known to release toxic vapors when involved in a fire.

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**V. REACTIVITY DATA**

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## Water-Jel Technologies MSDS 0.5% First Aid Cream With Aloe Vera

### **STABILITY:**

This material is stable under normal handling and storage conditions described in this MSDS.

### **INCOMPATIBILITY:**

Strong acids, oxidizers and strong alkalies.

### **CONDITIONS TO AVOID:**

- Heat
- Do not Freeze

### **HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition of Lidocaine HCl may release toxic vapors, which may be a problem if large quantities of the product are involved.

### **HAZARDOUS POLYMERIZATION:**

Will not occur

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## VI HEALTH HAZARD INFORMATION

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### **WARNING STATEMENTS:**

Care should be taken to use this product as instructed by the product label. The product is intended for use as a topical treatment of minor cuts, scrapes and burns. Product should not be used in a manner that results in inhalation (may occur if product is heated to melting point), swallowing or exposure to eyes.

### **ACUTE HEALTH EFFECTS**

## **Water-Jel Technologies MSDS 0.5% First Aid Cream With Aloe Vera**

Product has been tested and approved for consumer use according to the product label. No adverse acute health effects are expected when product is used as directed by product label.

### **CHRONIC HEALTH EFFECTS:**

Sensitization possible from repeated contact with Lidocaine HCl.

### **MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:**

None established

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## **VII EMERGENCY MEDICAL INFORMATION**

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Product is intended for use as a first aid cream to help prevent infection and for the temporary relief of pain in minor cuts, scrapes, and burns. No first aid treatment for use of this product is expected.

### **NOTES TO PHYSICIAN:**

None

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## **VIII PERSONAL PROTECTION EQUIPMENT**

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### **PROTECTIVE EQUIPMENT**

No protective equipment is needed for use of the product as directed by the product label.

### **WORK PRACTICE CONTROLS:**

## Water-Jel Technologies MSDS 0.5% First Aid Cream With Aloe Vera

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this product:

1) Do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this product is stored or used, 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet, 3) Wash exposed skin promptly to remove accidental splashes or other contact with this product.

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### IX SPILL, LEAK AND DISPOSAL PROCEDURES

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#### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Store at room temperature. Do not freeze.

Do not get on skin, except as intended and directed by product label, or in the eyes.

#### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Contain or absorb small spills. Larger spills must be contained or absorbed to prevent spreading. Residue must be placed in a non-reactive container. Area should be washed well with water. If appropriate, use protective equipment during spill clean-up.

#### **WASTE DISPOSAL METHOD:**

Consult federal, state and local regulations, and dispose in compliance with these regulations.

EPA Hazardous Waste: Not an EPA Hazardous Waste

#### **OTHER PRECAUTIONS:**

Keep out of the reach of children. Keep containers tightly closed. Use product for intended use only, following label directions.

**Water-Jel Technologies MSDS 0.5% First Aid Cream With Aloe Vera**

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**X CARCINOGEN INFORMATION**

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**CHEMICALS IN PRODUCT LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN:**

By National Toxicology Program: **NO**

By I.A.R.C. Monographs: **NO**

By OSHA: **NO**

By Other Sources: **NO**

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**XI TRANSPORTATION INFORMATION**

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The listed transportation classification is per the regulations of the US Department of Transportation. Any listed information does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

DOT Hazard Class: Not a DOT regulated material.

DOT Proper Shipping Name: NA

Consult 49 CFR or qualified expert for marking, labeling and packaging information if needed.

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**XII REGULATORY INFORMATION**

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**SARA TITLE III HAZARD CLASSES:**

Fire hazard: No

Reactive hazard: No

Release of pressure: No

Acute health hazard: No

**Water-Jel Technologies MSDS 0.5% First Aid Cream With Aloe Vera**

Chronic health hazard: Yes

**SARA EXTREMELY HAZARDOUS SUBSTANCES OR CERCLA HAZARDOUS SUBSTANCE:**

Ingredients are either not on the above lists or are present below the action level concentration.

**NOTE:** The information in this MSDS is obtained from sources which we believe are reliable, however, the accuracy or completeness thereof is not guaranteed, and no warranty of any kind is made with respect thereto. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons we assume no liability for the loss and damage incurred from the proper or improper use of such product.

**WATER JEL TECHNOLOGIES**

There are 7 pages in this MSDS

**MATERIAL SAFETY DATA SHEET - EXTENDED**

**PRODUCT: BURNAID GEL 3.5g Sachets, 25g, 50g  
Tubes, Sterile Dressings**

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**IDENTIFICATION**

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**SUPPLIER:**

Company: Rye Pharmaceuticals Pty. Ltd.  
Address: (Smith & Nephew)  
Unit 1, Block F, 25-27 Paul Street North,  
North Ryde, NSW 2113, Australia  
Phone: 02 9857-3830  
Emergency: 0416 259904  
Fax: 02 9857-3831  
02 9416-9332

Manufacturer's Code:

**STATEMENT OF HAZARDOUS NATURE:**

Non Hazardous

Health Hazard: 0  
Flammability: 0  
Reactivity: 0  
Body Contact: 1

Scale: min/nil=0 Low=1 Moderate=2 High=3 Extreme=4

Material Details

CAS No. None  
NIOSH No. None  
UN No. None  
Dangerous G. Class None  
Packaging Group None  
IMO Class None  
Poison Schedule None  
HAZCHEM None  
Sub Risk None  
EPG None  
IMDG Page None

Label No class assigned

Shipping Name BURNAID

## Burnaid Burn Gel

### PHYSICAL PROPERTIES

Molecular Weight:	Not applicable
Boiling Range:	"
Melting Range:	"
Specific Gravity:	0.98 to 1.02
Water Solubility:	Miscible
Evaporation Rate:	Not available
State:	Gel
Vapour Pressure:	Not available
Volatile Component (%Vol):	"
Relative Vapour Density:	"
Flash Point:	Not applicable
Lower Explosive Limit (%):	"
Upper Explosive Limit (%):	"
Autoignition Temp <sup>o</sup> :	"
Decomposition Temp <sup>o</sup> :	Not available

### APPEARANCE

White to slightly off white/clear thixotropic gel. Melaleuca Oil odour.

### INGREDIENTS

	CAS No.	%
Oil of Melaleuca alternifolia		Dressings 1.5%
		Tubes 5%
Emulsifiers		<2

### USE

A first aid burn gel for use on 1<sup>st</sup> and 2<sup>nd</sup> degree burns. Cools and soothes, offers relief and helps prevent secondary infection. Available in tubes, dispensers and gel impregnated open cell foam dressings

### SYNONYMS

None

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### HEALTH HAZARD

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#### ACUTE HEALTH EFFECTS

##### SWALLOWED

Considered an unlikely route of entry. It is doubtful whether enough could be ingested to cause any irritation to the gastro-intestinal tract, or cause any pain or vomiting. Pure Melaleuca Oil is considered toxic. However formulation under 25% are considered non toxic. Oral Toxicity Testing indicated the LD50 to be greater than 10g/kg, indicating very low potential irritancy.

##### EYE

Considered a possible mild irritant to the eye and may cause some smarting and redness. Acute Eye Irritation Testing using the Draize procedure indicated a very mild eye irritant.

## Burnaid Burn Gel

### SKIN

Generally considered a non-irritant. Prolonged exposure may cause some mild irritation and redness in a very small number of people. In rare cases skin contact may cause some irritation during use. Acute Dermal Irritation and Skin Sensitisation Testing in accordance with Draize procedure indicated a non-irritant and non sensitising.

### INHALATION

No hazard as product is non volatile.

### CHRONIC

Prolonged contact may cause slight irritation or redness for a small number of people. Pure Melaleuca Oil is considered a mild irritant, however percentages under 10% are usually considered non-irritants.

### FIRST AID

#### SWALLOWED

If swallowed, give a glass of water.

#### EYE

If in contact with the eyes, hold eye open and flush out the eye - especially under the eyelids with fresh water or saline solution. Seek medical attention if any irritation continues.

#### SKIN

If irritation occurs, discontinue use and wash off with fresh water.

#### INHALATION

Not applicable.

#### OTHER

Melaleuca Oil is generally considered a non-irritant in inert formula's below 10% concentration, and considered non toxic at levels of less than 25% concentration. Industry studies indicate allergic reaction to products containing less than 10% Melaleuca Oil is extremely rare, but when reported usually involves some redness and stinging of the skin.

Toxicity	LD50>10g/kg
Skin Sensitisation	Non irritant

Considered an unlikely route of entry. It is doubtful whether enough could be ingested to cause any irritation to the gastro-intestinal tract, or cause any pain or vomiting. Pure Melaleuca Oil is considered toxic. However formulation under 25% are considered non toxic. Oral Toxicity Testing indicated the LD50 to be greater than 10g/kg, indicating very low potential irritancy.

#### EYE

Considered a possible mild irritant to the eye and may cause some smarting and redness. Acute Eye Irritation Testing using the Draize procedure indicated a very mild eye irritant.

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**PRECAUTIONS FOR USE**

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**EXPOSURE LIMITS**

Not known

**OTHER EXPOSURE INFORMATION**

None

**ENGINEERING CONTROLS**

None

**PERSONAL PROTECTION**

No special equipment required for normal handling

**PROTECTIVE EQUIPMENT**

None required

**FLAMMABILITY**

Non flammable

**FIRE HAZARD**

None

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**SAFE HANDLING INFORMATION**

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**STORAGE AND TRANSPORT**

Store in packaging provided.

**STORAGE PRECAUTIONS**

Keep containers securely sealed. Store in a cool dry area. Avoid sunlight.

**SHIPPING NAME (CSN)**

None

**SPILLS AND DISPOSAL**

**SPILLS AND LEAKS**

Wipe up or absorb with sponge. Place in waste disposal.

**FIRE/EXPLOSION HAZARD**

**FIRE EXPLOSION HAZARDS**

None

**HAZARDOUS REACTION**

None known

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**OTHER INFORMATION**

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**ENVIRONMENTAL PROTECTION**

Generally considered non-hazardous to the environment.

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**CONTACT POINT**

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**Australia Poisons Information Centre**

24 Hour Service            13 11 26

Police or Fire Brigade    000

**New Zealand Poisons Information Centre**

Dunedin            03 479 1200 (Normal Hours)  
                         03 479 0999 (Emergency)

**DATE OF ISSUE**

April 97

**DATE REVIEWED**

January 00

The information contained in this data sheet is accurate to the best of our knowledge as of the date issued. It is the users obligation to assess that the product is suitable for the purpose chosen, and that it is used in accordance with the instructions.