

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 (H₂O = 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 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 (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 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

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Date: 1998

MATERIAL SAFETY DATA SHEET

Section I - Product Identification

MANUFACTURER'S NAME: ARI	EMERGENCY PHONE: 1-800-241-5064
ADDRESS: McDonough Road, Orchard Hill, GA 30266	
TRADE NAME: FIRST AID ONLY ANTISEPTIC SPRAY	
SYNONYMS: Aerosol Antiseptic Spray	

Section II - Material Analysis

Component or Material Chemical Name	% of Mixture	CAS#	TLV
<i>Benzocaine, USP</i>	4.5	94-09-7	
<i>Cetylrimethylammonium Bromide</i>	0.05	57-09-0	
<i>Dipropylene Glycol</i>	40.5	025265-71-8	
<i>A-46 Hydrocarbon</i>	.55	68476-86-8	1000ppm
<i>msds10047.pdf</i>			

Section III- Physical Data

BOILING POINT	449°F
SOLUBILITY IN H2O % BY WT.	Completely miscible
SPECIFIC GRAVITY H2O=1	1.032
VAPOR PRESSURE in can PSI at 70°F	46
% VOLATILES by VOL.	55%
pH	N/A
APPEARANCE AND ODOR	Colorless Liquid, slight menthol odor

Section IV- Fire and Explosion Data

FLASH POINT (Closed cup)	200°F
FLAMMABLE EXPLOSIVE LIMITS	LOWER N/A UPPER 120°F
EXTINGUISHING METHODS	Drychemical or CO ₂
SPECIAL FIRE and EXPLOSION PROCEDURES	Cool containers with water if exposed.
UNUSUAL FIRE and EXPLOSION HAZARD	Product packaged in aerosol form-will explode under extreme heat.

Section V- Health Hazard Information

HEALTH HAZARD DATA

ROUTES OF EXPOSURE

INHALATION	<i>May irritate upper respiratory tract and cause numbness.</i>
SKIN CONTACT	<i>Mildly irritating.</i>
EYE CONTACT	<i>Spray can cause pain and general inflammation.</i>
INGESTION	<i>May cause irritation and vomiting.</i>

EFFECTS OF OVEREXPOSURE

Based on available data, repeated exposures are not anticipated to cause any significant adverse effects.

EMERGENCY AND FIRST AID PROCEDURES

EYE	<i>Flush with large amounts of water, lifting upper.</i>
SKIN	<i>Wash areas with soap and water.</i>
INHALATION	<i>Remove to fresh air.</i>
INGESTION	<i>Rinse mouth, and consult a physician.</i>

NOTES TO PHYSICIAN

Section VI- Reactivity Data

CONDITIONS CONTRIBUTING TO INSTABILITY

Stable under normal storage conditions.

INCOMPATIBILITY

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of carbon, aldehydes, and acids.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION

Will not occur.

Section VII-Spill or Leak Procedures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

NEUTRALIZING CHEMICAL

Flush spill area with water.

WASTE DISPOSAL METHOD

Dispose of in accordance with state, local and federal regulations.

Section VIII-Industrial Hygiene Control Measures

VENTILATION REQUIREMENTS

Good general ventilation should be sufficient for most conditions.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY (Specify in detail)

None Required

EYE

None Required

GLOVES

None Required

OTHER CLOTHING AND EQUIPMENT

Section IX-Special Precautions

PRECAUTIONARY STATEMENTS

Packaged under pressure. Do not puncture, incinerate or store above 120°F. Flammable. Keep away from heat source.

OTHER HANDLING AND STORAGE REQUIREMENTS

Store in well ventilated areas, away from heat, direct sunlight, and sources of ignition. Keep away from oxidizing agents. Containers should not be dropped. Install protective caps for shipment.

DEPARTMENT OF TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: ANTISEPTIC SPRAY

HAZARD CLASS: *ORM-D*

Prepared by: **ARI**

Date: 1998

FAD Item# M309-1000



Phone: (914) 683-5800

Fax: (914) 328-0373

701 Westchester Avenue, Suite 208W • White Plains, NY 10604

MATERIAL SAFETY DATA SHEET

REVISION DATE: 10/15/2004

SECTION I – PRODUCT IDENTIFICATION

PRODUCT/TRADE NAME: FIRST AID ONLY BZK ANTISEPTIC TOWELETTE
6800300
HAZARD RATING (NFPA): HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0
SPECIFIC: NONE
EMERGENCY OR INFORMATION (914) 683-5800 (M-F DAYTIME)
TELEPHONE NO: AT OTHER TIMES, CONTACT THE LOCAL POISON CONTROL
CENTER
CHEMICAL NAME: PROPRIETARY MIXTURE

SECTION II – HAZARDOUS INGREDIENTS PER 29 CFR 1910.1200

HAZARDOUS INGREDIENTS	CAS NUMBER	%	ACGIH-TLV
NONE	-----	NO COMPONENTS OVER 1% OF FORMULATION	-----

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

COLOR/ODOR/APPEARANCE: APPLICATOR SATURATED WITH CLEAR LIQUID
BOILING POINT: N/A
FLASH POINT: N/A
VAPOR DENSITY: N/A
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: COMPLETE
SPECIFIC GRAVITY (H₂O=1): 1.0

SECTION IV – FIRE & EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: ANY
SPECIAL FIREFIGHTING PROCEDURES: NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION V – REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: NONE KNOWN
INCOMPATIBILITY: ANIONIC SURFACTANTS, SOAPS
HAZARDOUS DECOMPOSITION OF BYPRODUCTS: NONE
POLYMERIZATION: WILL NOT OCCUR

SECTION VI – HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

SKIN: NONE
EYES: MAY CAUSE DISCOMFORT
INHALATION: NOT NORMAL ROUTE OF ENTRY
INGESTION: NOT NORMAL ROUTE OF ENTRY

EMERGENCY & 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: CONSULT PHYSICIAN
TARGET ORGANS: NONE
KNOWN CARCINOGEN: NONE KNOWN

SECTION VII – SPILL & DISPOSAL PROCEDURE

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

SECTION VIII – CONTROL MEASURES/PROTECTION

RESPIRATION:	NONE
VENTILATION:	NONE
PROTECTIVE GLOVES:	NONE
EYE PROTECTION:	IF SPLASH POTENTIAL EXISTS
HYGIENIC PRACTICES:	FOLLOW GOOD HOUSEKEEPING PRACTICES
OTHER:	NONE

SECTION IX – TRANSPORT/SHIPPING

DOT SHIPPING NAME:	
TECHNICAL SHIPPING NAME:	
DOT SHIPPING CLASSIFICATION:	DOT NOT REGULATED
DOT ID NUMBER:	
DOT LABEL REQUIREMENTS:	
UN/NA NUMBER REGULATIONS:	
REPORTABLE QUANTITY:	

SECTION X – DISCLAIMER

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Date: 1998

MATERIAL SAFETY DATA SHEET

Section I-Product Identification

MANUFACTURER'S NAME: ARI	EMERGENCY PHONE: 1-800-241-5064
ADDRESS: McDonough Road, Orchard Hill, GA 30266	
TRADE NAME: FIRST AID ONLY BURN SPRAY	
SYNONYMS: Aerosol Burn Spray	

Section II - Material Analysis

Component or Material Chemical Name	% of Mixture	CAS#	TLV
<i>Benzocaine, USP</i>	<i>4.5</i>	<i>94-09-7</i>	
<i>Menthol, USP</i>	<i>0.15</i>	<i>89-79-1</i>	
<i>Cetylrimethylammonium Bromide</i>	<i>0.05</i>	<i>57-09-0</i>	
<i>Dipropylene Glycol</i>	<i>40.3</i>	<i>025265-71-8</i>	
<i>A-46 Hydrocarbon</i>	<i>55.</i>	<i>68476-86-8</i>	<i>1000ppm</i>
<i>msds10044.pdf</i>			

Section III- Physical Data

BOILING POINT	449°F
SOLUBILITY IN H2O % BY WT.	Completely miscible
SPECIFIC GRAVITY H2O=1	1.035
VAPOR PRESSURE in can PSI at 70°F	46
% VOLATILES by VOL.	55%
pH	N/A
APPEARANCE AND ODOR	<i>Colorless Liquid, slight menthol odor</i>

Section IV- Fire and Explosion Data

FLASH POINT (Closed cup)	200°F
FLAMMABLE EXPLOSIVE LIMITS	LOWER N/A UPPER 120°F
EXTINGUISHING METHODS	<i>Drychemical or CO₂</i>
SPECIAL FIRE and EXPLOSION PROCEDURES	<i>Cool containers with water if exposed.</i>
UNUSUAL FIRE and EXPLOSION HAZARD	<i>Product packaged in aerosol form-will explode under extreme heat.</i>

Section V- Health Hazard Information

HEALTH HAZARD DATA

ROUTES OF EXPOSURE

INHALATION	<i>May irritate upper respiratory tract and cause numbness.</i>
SKIN CONTACT	<i>Mildly irritating.</i>
EYE CONTACT	<i>Spray can cause pain and general inflammation.</i>
INGESTION	<i>May cause irritation and vomiting.</i>

EFFECTS OF OVEREXPOSURE

Based on available data, repeated exposures are not anticipated to cause any significant adverse effects.

EMERGENCY AND FIRST AID PROCEDURES

EYE	<i>Flush with large amounts of water, lifting upper.</i>
SKIN	<i>Wash areas with soap and water.</i>
INHALATION	<i>Remove to fresh air.</i>
INGESTION	<i>Rinse mouth, and consult a physician.</i>

NOTES TO PHYSICIAN

Section VI- Reactivity Data

CONDITIONS CONTRIBUTING TO INSTABILITY

Stable under normal storage conditions.

INCOMPATIBILITY

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of carbon, aldehydes, and acids.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION

Will not occur.

Section VII-Spill or Leak Procedures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

NEUTRALIZING CHEMICAL *Flush spill area with water.*

WASTE DISPOSAL METHOD *Dispose of in accordance with state, local and federal regulations.*

Section VIII-Industrial Hygiene Control Measures

VENTILATION REQUIREMENTS

Good general ventilation should be sufficient for most conditions.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY (Specify in detail) *None Required*

EYE *None Required*

GLOVES *None Required*

OTHER CLOTHING AND EQUIPMENT

Section IX-Special Precautions

PRECAUTIONARY STATEMENTS

Packaged under pressure. Do not puncture, incinerate or store above 120°F. Flammable. Keep away from heat source.

OTHER HANDLING AND STORAGE REQUIREMENTS

Store in well ventilated areas, away from heat, direct sunlight, and sources of ignition. Keep away from oxidizing agents. Containers should not be dropped. Install protective caps for shipment.

DEPARTMENT OF TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: BURN SPRAY
HAZARD CLASS: ORM-D

Prepared by: ARI

Date: 1998

MATERIAL SAFETY DATA SHEET

Identity: Health Saver® Brand Eye Wash Sterile, Buffered, Isotonic, Saline - Blue Label					
Section I					
Manufacturer: Niagara Pharmaceuticals Inc.		Emergency Telephone: (613) 996-6666 (collect) CANUTEC (800) 268-9017 Poison Information Centre			
Address: 60 Innovation Drive Flamborough, Ontario, Canada L9H 7P3		Telephone: (905) 690-6277 Fax: (905) 690-6281			
		Date Prepared: August 15, 2002			
		Prepared By: John Ioannou, Quality Control			
Section II - Material Identification and Information					
Components (Chemical Names & Common Names) (Hazardous Components 1% or greater, Carcinogens 0.1% or greater)	CAS #'s	%	OSHA PEL	ACGIH TLV	OTHER LIMITS
DISODIUM EDETATE	6381-92-6	0-1			
BORIC ACID	10043-35-3	1-5		TWA 1mg/m ³	Oral Rat 3500mg/kg
SODIUM BORATE	1303-96-4	1-5			
SODIUM CHLORIDE	7647-14-5	1-5			
BENZALKONIUM CHLORIDE	68429-85-1	0-1	1000 ppm		
Section III - Physical / Chemical Characteristics					
Physical State: LIQUID		Specific Gravity (H2O = 1): 1.00			
Boiling Point: >100°C		Melting Point: N/A			
Vapour Pressure (mm Hg): N/A		Evaporation Rate (Water = 1): >1			
Vapour Density (Air = 1): UNKNOWN		Water Reactive: NONE			
Solubility in Water: GOOD		Percent Volatile: 90%		pH: 5.0 - 6.0	
Appearance and Odour: CLEAR, COLOURLESS LIQUID, CHARACTERISTIC ODOUR					
Section IV - Fire and Explosion Hazard Data					
Flash Point (Method Used): NON-FLAMMABLE		Auto-Ignition Temperature: N/A			
Flammability Limits in Air % By Volume: N/A		LEL: N/A		UEL: N/A	
Extinguisher Media: CARBON DIOXIDE, WATER, FOAM					
Special Fire Fighting Procedures: NONE					
Unusual Fire and Explosion Hazards: NONE					
Section V - Reactivity Data					
Stability Unstable: NO Stable: YES		Conditions to Avoid: NONE			
Incompatibility (Materials to Avoid): STRONG OXIDIZING MATERIALS, STRONG REDUCING AGENTS					
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE					
Hazardous Polymerization May Occur: NO Will Not Occur: YES		Conditions to Avoid: NONE			

MATERIAL SAFETY DATA SHEET

Identity: Health Saver® Brand Eye Wash Sterile, Buffered, Isotonic, Saline - Blue Label			
Section VI - Health Hazard Data - Potential Acute Health Effects			
Eye Contact: PRODUCT IS INTENDED FOR USE IN THE OCULAR AREA.			
Skin Contact: PRODUCT HAS NO EFFECT.			
Inhalation: PRODUCT HAS NO EFFECT.			
Ingestion: MAY CAUSE STOMACH DISCOMFORT IF INGESTED.			
Section VII - Health Hazard Data			
Emergency First Aid Procedures:		SEEK MEDICAL ASSISTANCE FOR FURTHER TREATMENT, OBSERVATION AND SUPPORT IF NECESSARY.	
Eye Contact: NONE REQUIRED			
Skin Contact: NONE REQUIRED			
Inhalation: NONE REQUIRED			
Ingestion: DO NOT INDUCE VOMITING. IF POSSIBLE GIVE 3 TO 4 GLASSES OF MILK (<i>if unavailable, give water</i>). CALL A PHYSICIAN IMMEDIATELY.			
Section VIII - Control and Protective Measures			
Respiratory Protection (Specify Type):		NONE	
Protection Gloves: NONE		Eye Protection: NONE	
Ventilation to be Used:	Local Exhaust: YES		Special: N/A
	Mechanical (General): N/A		Other: N/A
Other Protective Clothing and Equipment:		NOT REQUIRED	
Hygienic Work Practices: KEEP CONTAINER CLOSED WHEN NOT IN USE. ALWAYS READ LABEL BEFORE USE.			
Section IX - Precautions for Safe Handling and Use / Leak Procedures			
Steps to be taken if Material is Spilled or Released:		MOP UP USING LARGE AMOUNTS OF WATER. FLUSH DOWN SANITARY SEWER.	
Waste Disposal Methods:		IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS.	
Precautions to be Taken in Handling and Storage:		KEEP AWAY FROM EXCESSIVE HEAT. KEEP CONTAINER CLOSED WHEN NOT IN USE.	
Other Precautions and/or Special Hazards:		KEEP FROM FREEZING. READ LABEL BEFORE USING.	
HMIS Rating:	Health: 1	Flammability: 0	Reactivity: 0 Personal Protection: 0
NFPA Rating:	Health: 1	Flammability: 0	Reactivity: 0 Special: 0

ITEM# 40Q08401

DATE: 2/98

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

PRODUCT/TRADE NAME: SANI CLOTH HB SOLUTION

MANUFACTURER'S NAME:

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

ADDRESS:

2 NICE-PAK PARK
ORANGEBURG NY 10962-1376HAZARD RATING(NFPA)HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0
SPECIFIC: NONE

EMERGENCY OR INFORMATION TELEPHONE NO: 914-365-1700 (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
QUATERNARY AMMONIUM CPMD 1.0	N/A		68391-01-5/68956-79-6

III PHYSICAL/CHEMICAL CHARACTERISTICS

COLOR/ODOR/APPEARANCE: CLEAR COLORLESS LIQUID WITH MILD QUAT ODOR
 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: NONE
 SPECIAL FIRE FIGHTING PROCEDURES: NONE
 UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

V-REACTIVITY DATA

STABILITY: STABLE
 CONDITIONS TO AVOID: NONE
 INCOMPATIBILITY: ANIONIC SURFACTANT, SOAPS
 HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NONE KNOWN
 POLYMERIZATION: WILL NOT OCCUR
 CONDITIONS TO AVOID: NONE KNOWN

SANI CLOTH HB SOLUTION

VI-HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE:SKIN : MAY CAUSE SKIN IRRITATION
EYES : MAY CAUSE IRRITATION
INITIALATION: NOT NORMAL ROUTE OF ENTRY
INGESTION: NOT NORMAL ROUTE OF ENTRY

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: IF RASH OR IRRITATION DEVELOPS, DISCONTINUE USE
EYE CONTACT: FLUSH WITH COOL WATER FOR 15 MINUTES
INITIALATION: REMOVE TO FRESH AIR
INGESTION: CONSULT PHYSICIAN
TARGET ORGANS: NONE KNOWN
CARCINOGEN: NONE KNOWN

VII-SPILL AND DISPOSAL PROCEDURE

SPILL CONTROL: PICK UP WITH ABSORBENT
WASTE DISPOSAL METHOD: OBEY LOCAL, STATE AND FEDERAL REGULATIONS
HANDLING AND STORAGE: STORE AT ROOM TEMPERATURE IN CLOSED DRUMS

VIII-CONTROL MEASURES/PROTECTION

RESPIRATION: USE NIOSH APPROVED RESPIRATOR IF EXPOSURE LEVEL IS EXCEEDED
VENTILATION: RECOMMENDED
PROTECTIVE GLOVES: RECOMMENDED
EYE PROTECTION: IF SPLASHING MAY OCCUR
HYGIENIC PRACTICES: FOLLOW GOOD HOUSEKEEPING PRACTICES
OTHER: NONE

IX TRANSPORT/SHIPPING

DOT SHIPPING NAME:
TECHNICAL SHIPPING NAME:
DOT SHIPPING CLASSIFICATION: DOT NOT REGULATED
DOT ID NO.:
DOT LABEL REQUIREMENTS:NA
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

MSDS CURRENT
AS OF _____

Manufacturer's Name: ALTANA INC. - BYK PHARMACEUTICAL GROUP
 Divisions: E. FOUGERA & COMPANY DIVISION
PHARMADERM DIVISION
SAVAGE LABORATORIES DIVISION
 Street Address: 60 BAYLIS ROAD
 City, State, Zip Code: MCLIVILLE, NEW YORK 11747
 Emergency Telephone No.: (516) 454-7677

SECTION 1: IDENTITY

Product Name: Hydrocortisone Cream, U.S.P.
 Synonyms: Not Applicable
 CAS #: Not Applicable Chemical Family: Adrenocortical Cream
 Formula: Hydrocortisone, glycerin, potassium sorbate, benzyl alcohol, lactic acid, purified water, paraffin, stearyl alcohol, glyceryl monostearate, isopropyl palmitate, polyoxyl 40 stearate, and sorbitan monostearate.

SECTION 2: SAFETY AND HAZARD RATINGS

Health (Acute-Chronic): 1-1
 Flammability: Not Indicated
 Reactivity: 0
 Environment (Air-Water-Soil): 0-1-0
 Special Hazards: Not Indicated
 Protective Equipment: General ventilation, eye and hand wash. (Not under standard application).

RATINGS

Minimal	0
Slight	1
Moderate	2
Severe	3
Extreme	4

SECTION 3: EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with plenty of water for at least 15 minutes.
 SKIN: Flush with plenty of water.
 INGESTION: Give two glasses of water and induce vomiting.
 INHALATION: Remove to fresh air, if breathing is difficult, give oxygen. Never give anything by mouth to an unconscious person.

CALL A PHYSICIAN
 CONTACT A POISON CONTROL CENTER

SECTION 4: HAZARDOUS INGREDIENTS

NAME	CAS#	%	HAZARD DATA		
			CARCINOGEN IARC	NTP OSHA	ACGIH TLV OSHA PEL
Hydrocortisone	50-23-7	2.5			
glycerin	56-81-5	20			10 mg/m ³
benzyl Alcohol	100-51-6	2			
lactic Acid	50-21-5	2			

Product Name: Hydrocortisone Cream, U.S.P.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not Indicated

Auto-ignition Temperature °F: Not Indicated

Flammable Limits in Air by Volume LEL: Not Indicated

UEL: Not Indicated

Extinguishing Media: Foam, Dry Chemical, Carbon Dioxide

Special Fire Fighting Procedures: Use self contained breathing apparatus when firefighting.

Unusual Fire and Explosion Hazards: Do not store or mix with strong oxidizers or acids.

SECTION 6: REACTIVITY DATA (PHYSICAL HAZARDS)

Stability: Stable Unstable

Conditions and Chemicals to Avoid: Strong oxidants, strong acids, alkalies and extreme heat.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide

Hazardous Polymerization: May Occur Should Not Occur

SECTION 7: HEALTH HAZARDS

Primary Route(s) of Entry: Dermal

Signs and Symptoms of Exposure

- a. Overexposure Effects: May cause skin irritation and allergic reaction in sensitive individuals.
- b. Chronic Effects: May cause skin irritation and allergic reactions in sensitive individuals.

1. Inhalation: Not expected under normal condition of use.

2. Eyes: Topical forms will cause moderate irritation.
Not for ophthalmic use unless specified on label and product insert.

3. Skin: May result in absorption corticosteroid. No effects expected under normal conditions of use.

4. Ingestion: May result in absorption of corticosteroid. May induce low toxicity.

5. Medical Conditions Potentially Aggravated By: Skin conditions. Systemic effects may be produced.

Product Name: Hydrocortisone Cream, U.S.P.

SECTION 8: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Hygienic Practices: Use proper personal hygiene.

When Material is Released or Spilled:

Stop spill at source if possible. Assure slippery conditions are nullified. Add sand or dirt. Scoop up and remove. Wash area with soap and water. Report major leaks and spills to the appropriate local, state and/or federal governmental agency.

Waste Disposal Methods:

Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved incineration or chemical landfill waste disposal site.

SECTION 9: SPECIAL PROTECTION INFORMATION

Respiratory Protection: General ventilation.

Skin Protection: Normal hygiene.

Eye Protection: Normal hygiene.

Other Protective Clothing or Equipment:

SECTION 10: CONTAINERS AND LABELING

Special Precautions: Keep container closed. Keep away from heat and flame.

Recommended Container: As supplied (Not sold in bulk quantity).

Protect The Container By: Avoiding physical damage and heat.

Container Should Be Handled In An Area With: Adequate general ventilation.

The Empty Container Is: Not reusable.

Precautionary Label: No

Warning Placard: Not to be used on children under 2 years of age.

MO Hazard Class #: Not Applicable

Hazard Classification: Not Applicable

DOT Name: Not Applicable

Shipping Instructions: Keep away from oxidizers, strong acids, alkalis, and heat.

Product Name: Hydrocortisone Cream, U.S.P.

SECTION 11: ENVIRONMENTAL RISKS

Aquatic Toxicity: Not Indicated

Biodegradability: Not Indicated

Partition Coefficient: Not Indicated

SECTION 12: REGULATORY INFORMATION

Refer to the following references:

OSHA Regulations: If respirator used, 29 CFR 1900.134

DOT Regulations: Not Applicable

EPA Regulations: Not Applicable

Other: FDA: 21 CFR 330.5

Federal law prohibits dispensing hydrocortisone in strengths above 1% without prescription.

SECTION 13: PHYSICAL DATA

Appearance and Odor: White cream with slightly fatty odor

Molecular Weight: Not Indicated

pH: Not Indicated

Refractive Index @ 20°C: Not Indicated

Viscosity CPS @ 25°C: Not Indicated

Freezing/Melting Point: 140 °F (60 °C)

Boiling Point: 275 °F (135 °C)

Congealing Point: Not Indicated

Vapor Pressure (mm Hg @ 20°C): Not Indicated

Vapor Density (Air=1): Not Indicated

Solubility in Water: Miscible

Solubility in Alcohol: _____

Solubility in Oil: _____

Specific Gravity (H₂O = 1): Not Indicated

% Volatile by Volume: 65

Evaporation Rate(Ether = 1): 0.07

Date of Preparation/Change: April 29, 1992 Revision 1 Replaces 5-28-1986

The information presented herein relates to the specific material described and may not be valid for this material used in combination with any other materials or in any process. This information is, to the best of our knowledge, accurate and reliable on the date compiled. We make no representation, warranty or guarantee as to its accuracy, reliability or completeness.

It is the reader's responsibility to ascertain whether the information supplied is suitable and complete for that person's specific uses. This Material Safety Data Sheet was prepared for Altana Inc. by:

The Forum for Scientific Excellence, Inc.
706 Route 15 South, Suite 203
Lake Hopatcong, New Jersey 07849
Phone (201) 663-1120 Fax (201) 663-2378

Humco Holding Group, Inc.
7400 Alumax Drive
Texarkana, TX 75504
903-831-7808

Item #0395-1113

HYDROGEN PEROXIDE 3% SOLUTION

DATE ISSUED: 01/11/00

SECTION I HAZARDOUS PRODUCT/INGREDIENT PER 20 CFR 1910.1200

NO.	COMPOSITION	CAS NUMBER	PERCENT
P	Hydrogen Peroxide 3% Sol.	Mixture	100%
1	Hydrogen Peroxide	7722-84-1	3%

SECTION II ACUTE TOXICITY DATA

NO.	ACUTE ORAL LD50	ACUTE DERMAL LD50
NA	NA	NA

SECTION III PHYSICAL DATA

Boiling Point: (Deg F) 214°F **Melting Point:** (Deg F) N/A
Specific Gravity: (H₂O=1) 1.00 **Solubility:** (In water) complete
Vapor Pressure: (mm Hq) 10.1 at 30°C **Vapor Density:** (Air=1) Unknown
Evaporation Rate (N-Butyl Acetate=1): Less than water

Appearance and Odor: Colorless, odorless, liquid, slightly acid.

SECTION III A DEGREE OF HAZARD

Degree of Hazard

4 - Extreme	Flammability	0
3 - High	Health	0
2 - Moderate	Reactivity	2
1 - Slight	Special Hazard	0
0 - Insignificant		

SECTION IV FIRE AND EXPLOSION HAZARDS

Flash Point and Method: N/A Tag Open Cup

Extinguishing Media: Any tank surrounded by fire should be flooded with water for cooling.

Special Firefighting Procedures and Precautions: Hydrogen Peroxide in this concentration is considered a mild oxidizer.

Unusual Fire and Explosion Hazards: Decomposition releases oxygen which may intensify fire.

Flammable Limits/% Volume in Air: Lower: N/A **Upper:** N/A

SECTION V HEALTH HAZARD INFORMATION

OSHA PEL/TWA	N/A
OSHA PEL/CEILING	N/A
ACGIN TLV/TWA	N/A
ACGIN TLV/STEL	N/A

Inhalation: N/A

Skin Contact: May cause mild skin irritation.

Skin Absorption: May cause mild skin irritation.

Eye Contact: Irritating to the eye.

Ingestion: N/A

SECTION VI EMERGENCY AND FIRST AID PROCEDURES

Eyes: Immediately flush with large amounts of water for at least 15 minutes. Seek medical attention.

Skin: Wash thoroughly with water.

Inhalation: Remove victim to fresh air. Obtain medical attention.

Ingestion: If swallowed, drink plenty of water or milk immediately to dilute. Do not induce vomiting, seek medical attention.

SECTION VII

REACTIVITY

Stability: Slightly unstable.

Hazardous Polymerization: Will not occur.

Conditions and Materials to Avoid: Containers are to be stored in a cool environment. Keep away from excessive heat. This product in greater concentrations is incompatible with reducing agents, rust, dirt, organic materials with a pH above 4.

Hazardous Decomposition Products: N/A

SECTION VIII

EMPLOYEE PROTECTION

Respiratory Protection: No special precautions.

Protective Clothing: No special precautions, unless user has sensitive skin, then gloves should be worn.

Eye Protection: This product is not intended for eye usage. Will cause moderate irritation. In the event of eye contact, flush at least 15 minutes with water, seek medical attention.

SECTION IX

ENVIRONMENTAL PROTECTION

Spill or Leak Procedures: Dilute with large amounts of water and if possible direct solution to dike area and hold until decomposed. Dispose in accordance with local environmental regulations.

Waste Disposal: Dilute with large amounts of water. If local regulations permit, wash to sewer. If local regulations do not permit waste to go to sewer, treat as directed by local agency.

Environmental Hazards: Under E.P.A./CERCLA (Superfund), releases to air, land, or water may be reportable to the National Response Center, 1-800-424-8802. (Circumstances surrounding the release and clean-up determine reportability).

SECTION X

SPECIAL PROTECTION INFORMATION

Ventilation Requirements: Exhaust fans. NIOSH approved for severe vapor exposure.

Other Clothing and Equipment: Eye wash fountains.

Eye: Chemical goggles.

Skin: No special precautions, unless user has sensitive skin, then gloves should be worn.

SECTION XI TRANSPORTATION DATA

HAZARDOUS CHARACTERISTICS: None

D.O.T. Classifications: None

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

Section I. Chemical Product and Company Identification

PRODUCT NAME/ TRADE NAME		Ammonium Nitrate, Prilled Fertilizer Grade 34.5-0-0	
SYNONYM	34.5-0-0 Prilled Ammonium Nitrate Fertilizer	MSDS NUMBER:	14082
CHEMICAL NAME	Ammonium nitrate.	REVISION NUMBER	4.5
CHEMICAL FAMILY	Nitrate salt. (Oxidizing agent)	MSDS prepared by the Environment, Health and Safety Department on: March 5, 2001	
CHEMICAL FORMULA	NH ₄ NO ₃	24 HR EMERGENCY TELEPHONE NUMBER: Transportation: 1-800-792-8311 Medical: 1-888-670-8123	
MATERIAL USES	Agricultural industry: Fertilizer. Industrial applications: Manufacture of chemicals. Manufacture of specialty fertilizers.		
MANUFACTURER		SUPPLIER	
Agrium North American Wholesale 13131 Lake Fraser Drive, S.E. Calgary, Alberta, Canada T2J 7E8		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 ³	TLV-TWA ppm	STEL mg/m ³	STEL ppm	CEIL mg/m ³	CEIL ppm	
Ammonium nitrate	6484-52-2	10						99.8
TOXICOLOGICAL DATA ON INGREDIENTS	Ammonium Nitrate: 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 ₅₀ , 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 ₅₀ , 1.15-1.72 mg un-ionized NH ₃ /L, Rainbow Trout; 48 hr LC ₅₀ , 95-102 mg total NH ₃ /L, Rainbow Trout; EC ₅₀ , 125 mg/L, Daphnia; EC ₅₀ , 18.7 mg/L, Phytoplankton							

Continued on Next Page

Section III. Hazards Identification.

POTENTIAL ACUTE HEALTH EFFECTS	<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>
POTENTIAL CHRONIC HEALTH EFFECTS	<p>CARCINOGENIC EFFECTS: NONE by ACGIH, EPA, IARC, NTP, OSHA. MUTAGENIC EFFECTS: NONE by ACGIH, EPA, IARC, NTP, OSHA. TERATOGENIC EFFECTS: 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

EYE CONTACT	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Obtain medical attention if irritation persists.
MINOR SKIN CONTACT	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.
EXTENSIVE SKIN CONTACT	No additional information.
MINOR INHALATION	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.
SEVERE INHALATION	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.
SLIGHT INGESTION	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.
EXTENSIVE INGESTION	No additional information.

Section V. Fire and Explosion Data

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

Continued on Next Page

FIRE HAZARD IN THE PRESENCE OF VARIOUS SUBSTANCES	Not applicable.
EXPLOSION HAZARD IN THE PRESENCE OF VARIOUS SUBSTANCES	<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>
FIRE FIGHTING MEDIA AND INSTRUCTIONS	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.
SPECIAL REMARKS ON FIRE HAZARDS	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.
SPECIAL REMARKS ON EXPLOSION HAZARDS	<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

SMALL SPILL	Use appropriate tools or equipment to place the spilled solid in a suitable container for reuse or disposal.
LARGE SPILL	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

PRECAUTIONS	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.
STORAGE	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.

Continued on Next Page

Section VIII. Exposure Controls/Personal Protection

ENGINEERING CONTROLS	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.
PERSONAL PROTECTION	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.
PERSONAL PROTECTION IN CASE OF LARGE RELEASE	No additional information.
EXPOSURE LIMITS	ACGIH TLV-TWA: 10 mg/m ³ as particulate not otherwise classified. U.S. OSHA PEL: 15mg/m ³ 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

PHYSICAL STATE AND APPEARANCE	Solid. (Prills or granules.)		
MOLECULAR WEIGHT	Not available.	COLOR	White.
pH (10% SOLN/WATER)	6 [Acidic.]	ODOR	Odorless.
BOILING POINT	Decomposes.	ODOR THRESHOLD	Not available.
MELTING POINT	170°C (338°F)	TASTE	Disagreeable. Acid. (Strong.)
CRITICAL TEMPERATURE	Not available.	VOLATILITY	0% (v/v). 0% (w/w).
SPECIFIC GRAVITY g/cc	0.92 (Water = 1)	SOLUBILITY	Easily soluble in cold water, hot water. Soluble in acetone. Partially soluble in methanol.
BULK DENSITY kg/m³ ; lbs/ft³	Loose: 913; 57.7	DISPERSION PROPERTIES	See solubility in water, methanol, acetone.
VAPOR PRESSURE	0 mm of Hg (@ 20°C)	WATER/OIL DIST. COEFF.	Not available.
VAPOR DENSITY	Not available.		

Section X. Stability and Reactivity Data

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

Continued on Next Page

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

SIGNIFICANT ROUTES OF EXPOSURE	Ingestion. Inhalation.
TOXICITY TO ANIMALS	See Section II.
SPECIAL REMARKS ON TOXICITY TO ANIMALS	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.
OTHER EFFECTS ON HUMANS	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.
SPECIAL REMARKS ON CHRONIC EFFECTS ON HUMANS	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.
SPECIAL REMARKS ON OTHER EFFECTS ON HUMANS	ACGIH TLV is based on "Particulates Not Otherwise Classified".


Section XII. Ecological Information

ECOTOXICITY	<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>
BOD and COD	Not available.
PRODUCTS OF DEGRADATION	Not applicable.
TOXICITY OF THE PRODUCTS OF DEGRADATION	The product itself and its products of degradation are not harmful under normal conditions of use. Avoid spills or releases to watercourses.
SPECIAL REMARKS ON THE PRODUCTS OF DEGRADATION	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

WASTE DISPOSAL OR RECYCLING	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

DOT / TDG CLASSIFICATION	TDG/DOT CLASS 5.1: Oxidizing substance.
PIN	Proper Shipping Name: Ammonium Nitrate UN1942 PG: III
SPECIAL PROVISIONS FOR TRANSPORT	<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>
DOT (U.S.A) (Pictograms)	

Section XV. Other Regulatory Information and Pictograms

OTHER REGULATIONS	<p>U.S. Allowable Tolerances (FIFRA Requirements):</p> <ol style="list-style-type: none"> 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) 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) <p>FDA Requirements:</p> <ol style="list-style-type: none"> 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) <p>TSCA - Sect. 8(b) Inventory: XU</p>
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Continued on Next Page

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



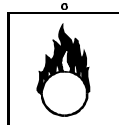
**Fire Hazard
 Reactivity**

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

The buyer assumes all risk in connection with the use of this material. The buyer assumes all responsibility for ensuring this material is used in a safe manner in compliance with applicable environmental, health and safety laws, policies and guidelines. Agrium Inc. assumes no responsibility or liability for the information supplied on this sheet, including any damages or injury caused thereby. Agrium Inc. does not warrant the fitness of this material for any particular use and assumes no responsibility for injury or damage caused directly or indirectly by or related to the use of the material. The information contained in this sheet is developed from what Agrium Inc. believes to be accurate and reliable sources, and is based on the opinions and facts available on the date of preparation.

Manufacturer's Name:

ALTANA INC. - BYK PHARMACEUTICAL GROUP
E. FOGGERA & COMPANY DIVISION
PHARMADERM DIVISION
SAVAGE LABORATORIES DIVISION

Street Address:

60 BAYLIS ROAD

City, State, Zip Code:

MELVILLE, NEW YORK 11747

Emergency Telephone No.:

(516) 454-7677 (Business Hours)
(516) 454-7692 (Other Times)

MSDS: (516) 756-7017 CONNIE NE MSDS

SECTION 1: IDENTITY

Product Name: Bacitracin-Neomycin-Polymyxin Topical Ointment and Sterile Ophthalmic Ointment

Synonyms: "Triple" Antibiotic Ointment

CAS #: Not Applicable Chemical Family: Antibacterials In Petrolatum.

Formula: Less than 1% each of the antibacterials in petrolatum.
Ophthalmic ointment also contains mineral oil.

SECTION 2: SAFETY AND HAZARD RATINGS

Health (Acute-Chronic): 1-1

Flammability: 1

Reactivity: 0

Environment (Air-Water-Soil): 0-0-3

Special Hazards: None

Protective Equipment: General ventilation, eye and hand wash.

RATINGS

Minimal	0
Slight	1
Moderate	2
Severe	3
Extreme	4

SECTION 3: EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush eyes with copious amounts of water for at least 15 minutes.
(Non-ophthalmic form only.)

SKIN: Wash with soap and water.

INGESTION: Induce vomiting. Do not give anything to an unconscious person.

CALL A PHYSICIAN
CONTACT A POISON CONTROL CENTER

SECTION 4: HAZARDOUS INGREDIENTS

NAME	CAS #	%	CARCINOGEN			HAZARD DATA	
			IARC	NTP	OSHA	ACGIH TLV	OSHA PEL

This section is not applicable to the products:

Bacitracin-Neomycin-Polymyxin Topical Ointment and Sterile Ophthalmic Ointment

Product Name: Bacitracin-Neomycin-Polymyxin Topical Ointment and Sterile Ophthalmic Ointment

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Closed Cup): 390 F, 199 C (97% Petrolatum Concentration)

Auto-ignition Temperature F: Not Determined

Flammable Limits in Air by Volume LEL: Not Determined

UEL: Not Determined

Extinguishing Media: Alcohol foam, dry chemical and CO2.

Special Fire Fighting Procedures: Wear full protective clothing.

Unusual Fire and Explosion Hazards: May emit toxic fumes.

SECTION 6: REACTIVITY DATA (PHYSICAL HAZARDS)

Stability: Stable Unstable

Incompatibility (Material to Avoid): Extreme heat, sparks, open flame, oxidizers, strong acids and alkalies.

Hazardous Decomposition Products: May give off fumes of carbon monoxide and carbon dioxide.

Hazardous Polymerization: May Occur Should Not Occur

SECTION 7: HEALTH HAZARDS

Primary Route(s) of Entry: Dermal

Signs and Symptoms of Exposure

a. Overexposure Effects: Allergy, kidney and liver impairment, dizziness, incoordination, sensory loss, deafness, nausea, vomiting and diarrhea.

b. Chronic Effects: May cause allergic reactions in susceptible individuals.

1. Inhalation: Not likely due to the physical state of the product.

2. Eyes: Use only specified ophthalmic ointment in eyes. Topical ointment will cause eye irritation.

3. Skin: Non-toxic under standard application.

4. Ingestion: May cause kidney, liver and gastro-intestinal impairment; may induce dizziness, incoordination, sensory loss and deafness.

5. Medical Conditions Potentially Aggravated By: Susceptible individuals may have an allergic reaction.

Product Name: Bacitracin-Neomycin-Polymyxin Topical Ointment and Sterile Ophthalmic Ointment

SECTION 8: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions To Be Taken In Handling/Storage: Keep containers closed when not in use. Do not handle or store near heat, flame or oxidizers.

Hygienic Practices: Wash thoroughly after handling. Use normal hygiene to protect hands, eyes and skin. Use general ventilation to protect your lungs. Do not wear contaminated clothing until thoroughly laundered.

When Material Is Released Or Spilled: Assure slippery conditions are nullified. Add sand or dirt. Scoop up and remove. Dispose in accordance with federal, state and local regulations.

Waste Disposal Methods: Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved incineration or chemical landfill waste disposal site.

SECTION 9: SPECIAL PROTECTION INFORMATION

Respiratory Protection: General ventilation.

Skin Protection: Normal hygiene.

Eye Protection: Normal hygiene.

Other Protective Clothing or Equipment: As needed to prevent repeated/prolonged contact.

SECTION 10: CONTAINERS AND LABELING

Special Precautions: Keep container closed. Store away from oxidizers and sources of heat and flame.

Recommended Container: As supplied (not sold in bulk quantity).

Protect The Container By: Avoiding physical damage and heat.

Container Should Be Handled In An Area With: Cool dry conditions.

The Empty Container Is: Not reusable.

Precautionary Label: No

Warning Placard: No

IMO Hazard Class#: Not applicable UN/NA#: Not applicable

Hazard Classification: Not applicable

DOT Name: Not applicable

Shipping Instructions: Keep away from oxidizers and sources of heat.

Product Name: Bacitracin-Neomycin-Polymyxin Topical Ointment and Sterile Ophthalmic Ointment

SECTION 11: ENVIRONMENTAL RISKS

Aquatic Toxicity: Not indicated

Biodegradability: Not indicated

Partition Coefficient: Not indicated

SECTION 12: REGULATORY INFORMATION

Refer to the following references:

OSHA Regulations: If respirator used, 29 CFR 1900.134

DOT Regulations: Not Applicable

EPA Regulations: Not Applicable

Other: 21 CFR 330.5

SECTION 13: PHYSICAL DATA

Appearance and Odor: A pale, yellow ointment that is odorless.

Molecular Weight: Not Applicable

pH: Not Applicable

Refractive Index @ 20°C: Not Indicated

Viscosity CPS @ 25°C: Not Indicated

Boiling Point°F: 392

Boiling Point°C: 200

Freezing/Melting Point°F: 136

Freezing/Melting Point°C: 58

Congealing Point°F: Not Indicated

Congealing Point°C: Not Indicated

Vapor Pressure (mmHg @ 20°C): <1 mm

Vapor Density (Air=1): Not Indicated

Solubility In Water: Insoluble

Solubility In Alcohol: Practically insoluble

Solubility In Oil: Soluble

Solubility In Other: Most polar solvents

Specific Gravity (H₂O = 1): 0.85 @ 60°C

% Volatile by Volume: 0

Evaporation Rate: 0.00 (ether reference)

Date of Preparation/Change: May 11, 1989

The information presented herein relates to the specific material described and may not be valid for this material used in combination with any other materials or in any process. This information is, to the best of our knowledge, accurate and reliable on the date compiled. We make no representation, warranty, or guarantee as to its accuracy, reliability or completeness. It is the reader's responsibility to ascertain whether the information supplied is suitable and complete for that person's specific uses.

This material safety data sheet was prepared for Altana Inc. by The Forum For Scientific Excellence, Inc., 200 Woodport Road, Sparta, New Jersey, 07871-2626. Phone (201) 729-4823.

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.	HMIS HAZARD RATING		
	HEALTH	1	0 = INSIGNIFICANT 3 = HIGH
	FLAMMABILITY	1	1 = SLIGHT 4 = EXTREME
	REACTIVITY	0	2 = MODERATE
SAFETEC OF AMERICA	TRANSPORTATION INFORMATION		
	PROPER SHIPPING NAME	Not Regulated	
	HAZARD CLASS / PKG. GRP.	None / None	REF. Not Applicable
	IDENTIFICATION NUMBER	None	LABEL None Required

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)		Page 1 of 2
RED Z™		
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	January 11, 1999
Buffalo, NY 14215	SUPERSEDES	December 3, 1998

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	% (wt.) (OPTIONAL)	OSHA PEL/STEL		ACGIH TLV/TWA/STEL	
			PPM	MG/M ³	PPM	MG/M ³
Sodium dichloro-s-triazinetriene	2893-78-9	0.3 - 0.7	None Established		None Established	
Superabsorbent polymer, CAS proprietary		99.3 - 99.7	5 (PEL)		5 (TLV)	

This product is not known to contain a substance subject to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR 372 at or above minimal amounts.

SECTION 3 - HEALTH HAZARD DATA

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

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

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

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

MATERIAL SAFETY DATA SHEET

IDENTITY (AS USED ON LABEL AND LIST)

RED Z™

Page 2 of 2

Date: January 11, 1999

SECTION 4 - FIRE FIGHTING MEASURES

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

SPECIAL FIRE FIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSIVE HAZARDS

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

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

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

WASTE DISPOSAL METHODS

Dispose of in accordance with Local, State, and Federal regulations. Products classified as non-hazardous may become hazardous waste upon contact with other products. Refer to "40 CFR Protection of Environment Parts 260-299" for complete waste disposal regulations. Consult your Local, State, or Federal Environmental Protection Agency before disposing of any chemicals.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container(s) tightly closed when not in use. Store in cool, dry area. Keep this and other chemicals out of reach of children.

SECTION 6 - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION Use NIOSH/MSHA approved or equivalent with high efficiency filter for particulate levels above 0.05mg/m ³	VENTILATION LOCAL EXHAUST: Recommended MECHANICAL (GENERAL): As appropriate
PROTECTIVE GLOVES Impervious/chemical resistant	EYE PROTECTION Safety glasses
OTHER PROTECTIVE CLOTHING OR EQUIPMENT Ordinarily, none required	WORK / HYGIENIC PRACTICES Practice safe work habits. Use according to label instructions.

SECTION 7 - PHYSICAL / CHEMICAL PROPERTIES

BOILING POINT Not applicable	BULK DENSITY 43.7 - 51.8 lb./cu. ft.
VAPOR PRESSURE (mm Hg) Not applicable	MELTING POINT >482°F (partial to full decomposition)
VAPOR DENSITY (AIR=1) Not applicable	pH No data
SOLUBILITY IN WATER Slight	EVAPORATION RATE (n-BUTYL ACETATE=1) Not applicable
APPEARANCE AND ODOR Off-white, granular powder; slight chlorine odor	% VOLATILES (BY WEIGHT) Not applicable

SECTION 8 - STABILITY AND REACTIVITY

STABILITY UNSTABLE: STABLE: XXX	CONDITIONS TO AVOID High humidity, extreme temperatures
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INCOMPATIBILITIES (MATERIALS TO AVOID)
Strong reducing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Decomposition will not occur if handled / stored properly. Thermal decomposition may emit toxic substances.

HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: XXX	CONDITIONS TO AVOID None known
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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.