

ARI When Quality Counts

PO Box 510
Orchard Hill, GA 30266

Date: December 2009

MATERIAL SAFETY DATA SHEET

Section I – Product Identification

MANUFACTURER'S NAME:	ARI	EMERGENCY PHONE #:	800- 241-5064
ADDRESS:	PO BOX 510, ORCHARD HILL, GA 30266		
TRADE NAME:	ANTISEPTIC SPRAY		
SYNONYMS:	AEROSOL ANTISEPTIC SPRAY		
HMIS Health -1	Fire – 3	Reactivity - 0	

Section II – Material Analysis/Active Ingredients

Component or Material Chemical Name	% of Mixture	CAS #	TLV
Benzocaine, USP	4.5%	94-09-7	Not established
Benzethonium Chloride	.09%	57-09-0	Not established
Dipropylene Glycol	40.41%	025265-71-8	Not established
A-46 Hydrocarbon	55.0%	68476-86-8	1000 ppm

Section III – Physical Data

Boiling Point	449°F
Solubility in H2O % by weight	Completely miscible
Specific Gravity H2O = 1	1.032
Vapor pressure in can PSI at 70°F	46
% Volatiles by Volume	55.0%
PH	N/A
Appearance and Odor	Colorless liquid, slight menthol odor

Section IV – Fire and Explosion Data

Flash Point (Closed cup)	>200°F
Flame Extension	Will not extend flame
Flammable Explosive Limits (% volume in air)	Lower: N/A Upper: 120°F
Extinguishing Methods	Dry chemical or CO2
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.
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Section V – Health Hazard Information

HEALTH HAZARD DATA ROUTES OF EXPOSURE

Inhalation	May irritate upper respiratory tract and cause numbness.
Skin Contact	Mildly irritating
Eye Contact	Spray can cause pain and general inflammation.
Ingestion	May cause irritation and vomiting
Effects of Overexposure	Based on available data, repeated exposures are not anticipated to cause any significant adverse effects.

EMERGENCY AND FIRST AID PROCEDURES

Eye	Flush with large amounts of water, lifting upper lids.
Skin	Wash areas with soap and water
Ingestion	Rinse mouth, and consult a physician.
Inhalation	Remove to fresh air.

Section VI – Reactivity Data

Condition 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

Ventillation Requirements:	Good general ventilation should be sufficient for most conditions.
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SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

Respiratory (specific in detail)	None Required.
Eye	None Required.
Gloves	None Required.
Other Clothing and Equipment	None Required.

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: HAZARD CLASS:	CONSUMER COMMODITY ORM-D
Prepared by: ARI	DATE: December 2008

MATERIAL SAFETY DATA SHEET

SAFETEC OF AMERICA	May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.			
	HMIS HAZARD RATING			
	HEALTH	3	0 = INSIGNIFICANT	3 = HIGH
	FLAMMABILITY	3	1 = SLIGHT	4 = EXTREME
	REACTIVITY	0	2 = MODERATE	
	TRANSPORTATION INFORMATION			
	PROPER SHIPPING NAME	Solids containing corrosive liquid, (n.o.s. ammonia)		
	HAZARD CLASS / PKG. GRP.	8 / II	REF.	173.154(b)(c)
	IDENTIFICATION NUMBER	UN3244	LABEL	ORM-D

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)

Page 1 of 2

Safetec Ammonia Inhalants

MANUFACTURER'S NAME Safetec of America, Inc.	EMERGENCY TELEPHONE NUMBER (24 Hours) (800) 255-3924
ADDRESS (NUMBER, STREET, P.O. BOX) 887 Kensington Avenue	TELEPHONE NUMBER FOR INFORMATION (716) 895-1822
(CITY, STATE AND ZIP CODE) Buffalo, NY 14215	DATE PREPARED April 04, 2007 SUPERSEDES March 30, 2007

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	% (wt.) (OPTIONAL)	Airborne limits		
			ACGIH	OSHA	NIOSH
Ammonia	766-41-7		25 ppm(TLV/TWA) 35 ppm (TLV/STEL)	50 ppm (PEL/TWA)	300 ppm (IDLH)
Ethanol	64-17-5		1000 ppm (TLV)	1000 ppm (PEL)	3300 ppm (LEL)

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: Brief (minutes) inhalation will cause irritation of the upper respiratory tract, although constant inhalation may also cause headaches, dizziness, or breathing difficulty.	Remove victim to fresh air; provide oxygen if breathing is difficult; get medical attention.
EYES: Contact to liquid or vapors will cause mild to extreme irritation. Severe exposure to the eyes may cause blindness.	Immediately flush eyes with clear running water for a minimum of 25 minutes while holding eyelids open; get medical attention.
INGESTION: Ingestion of this product will cause severe irritation, burning, and pain associated symptoms such as nausea, vomiting, diarrhea, or death.	CONTACT A POISON CONTROL CENTER IMMEDIATELY. DO NOT induce vomiting. DO NOT give liquids if the victim is unconscious or drowsy. Otherwise, give LARGE AMOUNTS OF WATER. Seek immediate medical attention.
SKIN: Contact with skin may cause mild skin irritation and burns.	Wash contaminated skin with large amounts of water; if irritation occurs and persists, seek medical attention. Wash contaminated clothing.

HEALTH HAZARDS (ACUTE AND CHRONIC): This product is not considered a health hazard.

CARCINOGENICITY	NTP?	No	IARC MONOGRAPHS?	No	OSHA REGULATED?	No
No additional information						
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders may become aggravated through exposure.						

MATERIAL SAFETY DATA SHEET

IDENTITY (AS USED ON LABEL AND LIST)

Safetec Ammonia Inhalants

Page 2 of 2

Date: April 04, 2007

SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED) 78.1°F (closed cup)	FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component) LEL: Unknown UEL: Unknown
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EXTINGUISHING MEDIAWater spray, dry chemicals, alcohol-type or all-purpose foam, CO₂**SPECIAL FIRE FIGHTING PROCEDURES**

Positive pressure NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS

Concentrated vapors may be flammable.

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

Remove all sources of ignition. Avoid prolonged exposure to vapors. Spills should be collected, not washed into sewer or environment. Use suitable disposal DOT containers. Report per regulatory requirements. Wear NIOSH approved self-contained breathing apparatus, protective clothing, gloves, and goggles.

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. Avoid inhalation of vapors. Store in cool, dry, well ventilated area away from, oxidizers, flame, ignition sources, acids, Iodine and Chlorine products, and heat. Keep out of reach of children.

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

Ordinarily, none required

VENTILATION - Recommended for individual
LOCAL EXHAUST: packets, required for bulk material.
VENTILATION - None required for individual
MECHANICAL (GENERAL): packets, required for bulk material.

PROTECTIVE GLOVES

None required for individual packets, required for bulk material.

EYE PROTECTION

None required for individual packets, required for bulk material.

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**

NA

SPECIFIC GRAVITY (WATER=1)

0.91

VAPOR PRESSURE (mm Hg)

No data

MELTING POINT

Not applicable

VAPOR DENSITY (AIR=1)

No data

PH

>12

SOLUBILITY IN WATER

Liquid is soluble

EVAPORATION RATE (IPA=1)

NA

APPEARANCE AND ODOR

Off-white, premoistened towelette; ammonia odor

% VOLATILES (BY VOLUME)

NA

SECTION 8 - STABILITY AND REACTIVITY**STABILITY**

UNSTABLE:

STABLE: XXX

CONDITIONS TO AVOID

Flame, sources of ignition, heat.

INCOMPATIBILITIES (MATERIALS TO AVOID)

Oxidizers, acids, bleach, Iodine, metals, dimethyl sulfate, Iodine and Chlorine containing products

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may emit ammonia, carbon oxides, nitrogen oxides and hydrogen; other unidentified organic compounds.

HAZARDOUS POLYMERIZATION MAY OCCUR:

WILL NOT OCCUR: XXX

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

Identity:	Eye Wash / Wound Irrigation Sterile, Buffered, Isotonic, Saline (Blue Label)
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Section 1

Manufacturer: Aaxis Pacific	FAX	
Emergency Telephone		
Address: Address by: 1/30-32 Foundry Rd, Seven Hills. NSW 2147, Australia Telephone: +61 2 9838 9588	Fax: +61 2 9838 8616	Date Prepared: 21/12/2004 Sher Soa

Components (Chemical Names & Common Name) Hazardous Component 1% or greater, Carcinogens 0.1% or greater.	CAS No.	%	OSHA PEL	ACGIH TLV	OTHER LIMITS
Sodium Chloride	7647-14-5	1 – 0.1			
Potassium Dihydrogen Phosphate	7778-77-0	1 – 0.1			
Sodium Hydroxide	1310-73-2	1 – 0.1			

Physical State:	LIQUID	Specific Gravity (H2O = 1)			≥ 1
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:	N/A	pH:	7.0-7.4
Appearance and Odour:	Clear, Colourless Liquid, Odourless				

Flash Point	Non-Flammable				
Flammability Limits in Air % by Volume:	N/A				
Extinguisher Media:	Carbon Dioxide, Water, Foam				
Special Fire Fighting Procedure:	None	Auto Ignition Temperature	N/A		
Unusual Fire and Explosion Hazards:	None	LEL:	N/A	UEL:	N/A

Stability	Unstable;	No	Conditions to Avoid:	None
	Stable:	Yes		
Incompability (Materials to Avoid):	N/A			
Hazardous Decomposition Products:	N/A			

Hazardous Polymerization May Occur:	May Occur	No	Conditions to Avoid:	None
	May Not Occur:	Yes		
Eye Contact:	PRODUCT IS INTENDED FOR USE IN OCULAR AREA			
Skin Contact	PRODUCT HAS NO EFFECT			
Inhalation:	PRODUCT HAS NO EFFECT			
Ingestion MAY CAUSE STOMACH DISCOMFORT IF LARGE AMOUNT INGESTED				

Identity:		Eye Wash Sterile, Buffered, Isotonic, Saline (Blue Label)							
Emergency First Aid Procedure		SEEK MEDICAL ASSISTANCE FOR FURTHER TREATMENT, OBSERVATION AND SUPPORT AS NECESSARY							
Eye Contact;		NONE REQUIRED							
Skin Contact;		NONE REQUIRED							
Inhalation;		NONE REQUIRED							
Ingestion;		CALL A PHYSICIAN, IF STOMACH DISCOMFORT OCCURS.							
Respiratory protection (Specify Type):		NONE							
Protection Gloves:		NONE			Eye Protection		NONE		
Ventilation to be Used:		Local Exhaust		N/A		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.							
Steps to be taken if Material is Spilled or Released:				MOP UP OR FLUSH DOWN SANITARY SEWER.					
Waste Disposal Methods:				IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATION					
Precaution to be taken in handling and Storage:				KEEP AT ROOM TEMPERATURE (15-30°C)					
Othe Precaution and/or Special Hazards:				KEEP FROM FREEZING READ LABEL BEFORE USING.					
HMIS Rating: Health:0		Flammability:	0	Reactivity	0	Personal Protection	0		
NFPA Rating: Health:0		Flammability:	0	Reactivity	0	Personal Protection	0		

ARI When Quality Counts

PO Box 510
Orchard Hill, GA 30266

Date: September 2012

MATERIAL SAFETY DATA SHEET

Section I – Product Identification

MANUFACTURER'S NAME:	ARI	EMERGENCY PHONE #:	800- 241-5064
ADDRESS:	PO BOX 510, ORCHARD HILL, GA 30266		
TRADE NAME:	Burn Spray 6		
SYNONYMS:	AEROSOL BURN SPRAY		

Section II – Material Analysis/Active Ingredients

Component or Material Chemical Name	% of Mixture	CAS #	TLV
Propane	10.5%	74-98-6	1000 ppm
Isobutane	44.05%	75-28-5	Not established
Benzocaine, USP	4.5%	94-09-7	Not established
Benzethonium Chloride	.09%	121-54-0	Not established
Dipropylene Glycol	40.41%	25265-71-8	Not established
Menthol	.15%	89-78-1	Not established

Section III – Hazards Identification

Product is a highly flammable when mixed with air. Propellant in a sealed aerosol can.

Hazard Ranking

Hazard Ranking	NFPA Hazard Class	HMIS Hazard Class
0 = least	Health Hazard = 1	Health Hazard = 1
1 = slight	Flammability = 3	Flammability = 3
2 = moderate	Reactivity = 0	Reactivity = 0
3 = high		
4 = extreme		

Section IV

EMERGENCY AND FIRST AID PROCEDURES

Eye	Flush the eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. Seek immediate medical attention.
Skin	Wash areas with soap and water
Ingestion	Rinse mouth, and consult medical aid

Inhalation	Remove victim from exposure. If not breathing or breathing is difficult, administer artificial respiration and or oxygen as indicated. Seek medical aid.
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Section V – Fire and Explosion Data

Flash Point (Closed cup)	>200°F (Aerosol Concentrate)
Flame Extension	Will not extend Flame
Flammable Explosive Limits (% volume in air)	Lower: N/A Upper: 120°F
Extinguishing Methods	Dry chemical or CO2 after spray has been stopped
Special fire and Explosion Procedures	Cool containers with water if exposed to heat or flame with water, move containers away from fire area if this can be done without further risk.

Section VI – Spill or Leak Procedures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Steps to be taken if released or spilled	Remove or eliminate all sources of ignition. Establish ventilation to keep atmospheric concentrations below explosive limits.
Neutralizing chemical	Flush spill area with water
Waste disposal method	Dispose of in accordance with state, local and federal regulations.
Effects of Overexposure	Based on available data, repeated exposures are not anticipated to cause any significant adverse effects.

Section VII – Handling and Storage

Precautionary Statements	Containers should not be dropped. Install protective caps for shipment and storage.
Other Handling and Storage Requirements	Do not store at temperatures above 120°F. Store in well-ventilated areas, away from heat, direct sunlight, and sources of ignition. Keep away from oxidizing agents.

Section VIII – Industrial Hygiene Control Measures

Ventilation Requirements:	Good mechanical ventilation may be adequate for maintaining airborne
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	concentrations below established exposure limits.
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SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

Respiratory (specific in detail)	None
Eye	None
Gloves	None
Other Clothing and Equipment	None

Section IX – Physical and Chemical Properties

Boiling Point	449°F (Aerosol Concentrate)
Solubility in H ₂ O % by weight	Completely miscible
Specific Gravity H ₂ O = 1	1.032
Vapor pressure in can PSI at 70°F	Approximately 46psig @ 70°F
% Volatiles by Volume	55%
PH	N/A
Appearance and Odor	Colorless liquid little or no odor

Section X – Stability and Reactivity

Stability	Stable
Hazardous Polymerization	Can not occur
Incompatibility	Strong Oxidizing Agents
Hazardous Decomposition Products	Oxides of Carbon, aldehydes, and acids
Conditions to avoid	High Heat, Spark, and Open Flames

Section XI – Toxicological Information

Propane is non-toxic and is a simple asphyxiate, however, it does have slight anesthetic properties and higher concentrations. May cause Dizziness.

Irritancy of Material	none
Reproductive Effects	none
Tetratogenicity	none
Synergistic Materials	none
Sensitization to Material	none
Mutagenicity	none

Section XII – Ecological Information

No adverse ecological effects are expected.

Section XIII – Disposal Considerations

Dispose of in accordance with Industrial and Government Practices.

Section XIV – Transportation Information

Department of Transportation Information PROPER SHIPPING NAME: HAZARD CLASS:	CONSUMER COMMODITY ORM-D – Level 3 Aerosol
Identification Number	UN 1950
Hazard Class	2.1 Flammable Gas Aerosol
Shipping Label	Flammable Gas
Special Shipping Instructions	Product should be shipped upright

Section XV – Regulatory Information

Propane, Isobutane, Dipropylene Glycol, Benzocaine, Benzethonium Chloride, and menthol are listed with the U.S. TSCA.

Section XVI – Other information

The above MSDS sheet was completed using the most up to date information available at the time of its completion. However no representation, warranty, or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself/herself as to the suitability and completeness of such information for their particular use. We do not accept any liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement

Prepared by ARI November 2011

MATERIAL SAFETY DATA SHEET

SAFETEC OF AMERICA	May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.			
	HMIS HAZARD RATING			
	HEALTH	1	0 = INSIGNIFICANT	3 = HIGH
	FLAMMABILITY	1	1 = SLIGHT	4 = EXTREME
	REACTIVITY	0	2 = MODERATE	
	TRANSPORTATION INFORMATION			
	PROPER SHIPPING NAME	Safetec Triple Antibiotic 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

Medi-First Triple Antibiotic Ointment

MANUFACTURER'S NAME

Safetec of America, Inc.

EMERGENCY TELEPHONE NUMBER (24 Hours)

(800) 255-3924

ADDRESS (NUMBER, STREET, P.O. BOX)

887 Kensington Ave. @ William L. Gaiter Pkwy.

TELEPHONE NUMBER FOR INFORMATION

(716) 895-1822

(CITY, STATE AND ZIP CODE)

Buffalo, NY 14215

DATE PREPARED

March 13, 2009

SUPERSEDES

September 24, 2007

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS

(SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))

CAS #

% (wt.)

(OPTIONAL)

ACGIH TLV/TWA/STEL

PPM

MG/M³

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

INHALATION: Not likely due to the physical state of the product.

EMERGENCY AND FIRST AID PROCEDURES

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, incoordination, 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, incoordination, 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)

Textilease Medique's Triple Antibiotic Ointment

Page 2 of 2

Date: September 24, 2007

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

EXTINGUISHING MEDIA

Use extinguishing media appropriate for the surrounding fire. Use alcohol foam, dry chemical or CO₂.

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

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)

Approx. 0.85

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,

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Burnaid Burn Gel & Dressings

MATERIAL SAFETY DATA SHEET - EXTENDED

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

IDENTIFICATION

SUPPLIER:

Company:	Rye Pharmaceuticals Pty. Ltd.
Address:	Level 3, 18 Smith Street Chatswood, NSW 2067, Australia
Phone:	02 9417-1922
Emergency:	0416 259904
Fax:	02 9417-0201

STATEMENT OF HAZARDOUS NATURE:

Not Classified as hazardous according to criteria of Worksafe Australia

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

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@:	“
Decomposition Temp @:	Not available

APPEARANCE & INGREDIENTS

Ingredient/Component	Quantity
Dressings - An open cell polyester foam impregnated with white/off white to slightly clear hydrogel with a tea tree oil odour contained in a plastic/foil/plastic laminate pouch Gel Tubes/Sachets/Bottles - A white/off white to slightly clear hydrogel with a tea tree oil odour contained in a plastic/foil/plastic laminate sachet, tube or bottle.	
Single Use Dressing & Sachet Gel - Melaleuca Oil - Thickeners - Emulsifiers and Surfactants - Purified Water Tube Gel - Melaleuca Oil - Thickeners - Emulsifiers Surfactant - Triclosan - Purified Water	- 1 % - > 90% - 4% - >90%
Sterility <div style="border: 1px solid black; padding: 2px; display: inline-block;">STERILE R</div>	Single Use Sachets and Dressings are sterilised by Gamma Irradiation – Minimum dosage of 25kys

USE

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

SYNONYMS - None

HEALTH HAZARD**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.

Burnaid Burn Gel

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.

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
Skin Irritation	Non irritant
Eye Irritation	1 Draize Scale - very mild irritant

ADVICE TO DOCTOR

Treat symptomatically. Refer to individual constituents

PRECAUTIONS FOR USE

EXPOSURE LIMITS

None 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

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

Store in packaging provided in a cool place. Avoid extreme temperatures and sharp objects that may pierce the pack. Do not use if packaging is damaged. Can be refrigerated but do not freeze.

STORAGE PRECAUTIONS

As above

SHIPPING NAME (CSN)

None

SPILLS AND DISPOSAL

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

FIRE/EXPLOSION HAZARD

None

HAZARDOUS REACTION

None known

OTHER INFORMATION

ENVIRONMENTAL PROTECTION

Generally considered non-hazardous to the environment.

CONTACT POINT

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

September 2002

DATE REVIEWED

September 05

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.

INSTANT COLD PACK WITH UREA

Chemwatch Material Safety Data Sheet (Conforms to 91/155/EEC - 2001/58/EC)
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Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

INSTANT COLD PACK WITH UREA

SUPPLIER

Company: SHANGHAI CHUANGSHI INDUSTRY CO., LTD.
 Address:
 4F, BLOCK 2, NO.27, LANE 258, CAOXIROAD, SHANGHAI,
 CHINA.

PRODUCT USE

SHJ0010837

SYNONYMS

Section 2 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	INT HAZ	%
water	7732-18-5	None	50
EC NO: 231-791-2			
urea	57-13-6	None	50
EC NO: 200-315-5			

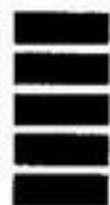
Section 3 - HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

Not considered a dangerous substance according to directive 1999/45/EC and its amendments.

HAZARD RATINGS

Flammability
 Toxicity
 Body Contact
 Reactivity
 Chronic



SCALE: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

SWALLOWED

Although ingestion is not thought to produce harmful effects (as classified under EC Directives), the material may still be damaging to the health of the individual,

continued...

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Section 3 - HAZARDS IDENTIFICATION

following ingestion, especially where pre-existing organ (e.g. liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality rather than those producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.

EYE

Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).

SKIN

The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

INHALED

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

CHRONIC HEALTH EFFECTS

Section 4 - FIRST AID MEASURES

No data for this material.

Section 5 - FIRE FIGHTING MEASURES

No data for this material.

PERSONAL PROTECTION

Glasses:
Gloves:
Respirator:

Section 6 - ACCIDENTAL RELEASE MEASURES

EMERGENCY RESPONSE PLANNING GUIDELINES (ERPG)

The maximum airborne concentration below which it is believed that nearly all individuals could be exposed for up to one hour WITHOUT experiencing or developing

life-threatening health effects is:
water 500 mg/m
urea 500 mg/m

irreversible or other serious effects or symptoms which could impair an individual's ability to take protective action is:
water 500 mg/m
urea 15 mg/m

other than mild, transient adverse effects without perceiving a clearly defined odour is:

continued...

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Section 6 - ACCIDENTAL RELEASE MEASURES

water 500 mg/m
urea 2 mg/m

The threshold concentration below which most people will experience no appreciable risk of health effects:

water 500 mg/m
urea 0.6 mg/m

American Industrial Hygiene Association (AIHA)

Ingredients considered according to the following cutoffs

Very Toxic (T+)	>= 0.1%	Toxic (T)	>= 3.0%
R50	>= 0.25%	Corrosive (C)	>= 5.0%
R51	>= 2.5%		
else	>= 10%		

where percentage is percentage of ingredient found in the mixture

SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS



+ + + + + +

+: May be stored together

O: May be stored together with specific preventions

X: Must not be stored together

Section 7 - HANDLING AND STORAGE

PROCEDURE FOR HANDLING

No data for this material.

No data for this material.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

The following materials had no OELs on our records

- water: CAS:7732-18-5
- urea: CAS:57-13-6

MATERIAL DATA

Not available. Refer to individual constituents.

INGREDIENT DATA

UREA:

WATER:

No exposure limits set by NOHSC or ACGIH.

WATER:

UREA:

CEL TWA: 10 mg/m³ (compare WEEL-TWA)

continued...

INSTANT COLD PACK WITH UREA

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Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Even if individuals inhaled 10 mg/m³ of urea through the whole workday, they would only inhale 100 mg/day. This increment, even if totally absorbed, would be insignificant when compared to the 30 g/day normal excretion rate. The workplace environmental exposure limit (WEEL) established by the AIHA is protective against the effects of urea as a nuisance dust.

PERSONAL PROTECTION



OTHER

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required. For further information consult site specific CHEMWATCH data (if available), or your Occupational Health and Safety Advisor.

ENGINEERING CONTROLS

No data for this material.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL PROPERTIES

Molecular Weight:

Melting Range (°C):

Solubility in water (g/L):

pH (1% solution):

Volatile Component (%vol):

Relative Vapour Density (air=1):

Lower Explosive Limit (%):

Autoignition Temp (°C):

State:

Boiling Range (°C):

Specific Gravity (water=1):

pH (as supplied):

Vapour Pressure (kPa):

Evaporation Rate:

Flash Point (°C):

Upper Explosive Limit (%):

Decomposition Temp (°C): Not available

Viscosity: Not available

APPEARANCE

Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

CONDITIONS CONTRIBUTING TO INSTABILITY

No data for this material.

Section 11 - TOXICOLOGICAL INFORMATION

INSTANT COLD PACK WITH UREA

Not available.

Refer to individual constituents.

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances

continued...

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Section 11 - TOXICOLOGICAL INFORMATION

WATER:

No significant acute toxicological data identified in literature search.

UREA:

TOXICITY

Oral (rat) LD50: 8471 mg/kg

Intraperitoneal (rat) LD50: >5000 mg/kg

Subcutaneous (rat) LD50: 8200 mg/kg

Intratracheal (rat) LD50: 567 mg/kg

Oral (mouse) LD50: 11000 mg/kg

Subcutaneous (mouse) LD50: 9200 mg/kg

Intravenous (mouse) LD50: 4600 mg/kg

IRRITATION

Skin (human): 22 mg/3 d (I)- Mild

NOTE: Substance has been shown to be mutagenic in at least one assay, or belongs to a family of chemicals producing damage or change to cellular DNA.

Altered sleep time, change in motor activity, antipsychosis, dyspnea, methaemoglobinaemia, convulsions, lymphomas recorded.

Carcinogenic by RTECS criteria.

Section 12 - ECOLOGICAL INFORMATION

No data for INSTANT COLD PACK WITH UREA.

Refer to data for ingredients, which follows:

UREA:

Algae IC50 (72hr.) (mg/l): 10000

log Kow (Prager 1995): - 1.09

log Kow (Sangster 1997): - 2.11

log Pow (Verschuereen 1983): 1.31415929

log Kow: -2.97- -2.26

Section 13 - DISPOSAL CONSIDERATIONS

According to the European Waste Catalogue, Waste Codes are not product specific but application specific. Waste Codes should be assigned by the User based on the application in which the product is used.

Section 14 - TRANSPORTATION INFORMATION

HAZCHEM: None

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS:ADR, IATA, IMDG

Section 15 - REGULATORY INFORMATION

RISK

None under normal operating conditions.

continued...

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Section 15 - REGULATORY INFORMATION

REGULATIONS

water (CAS: 7732-18-5) is found on the following regulatory lists;
OECD Representative List of High Production Volume (HPV) Chemicals

urea (CAS: 57-13-6) is found on the following regulatory lists;
IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances
OECD Representative List of High Production Volume (HPV) Chemicals

This safety data sheet is in compliance with the following
EU legislation and its adaptations – as far as
applicable - : 67/548/EEC, 1999/45/EC, 76/769/EEC,
98/24/EC, 92/85/EEC, 94/33/EC, 91/689/EEC, 1999/13/EC,
as well as the following British legislation:
- The Control of Substances Hazardous to Health
Regulations (COSHH) 2002
- COSHH Essentials
- The Management of Health and Safety at Work
Regulations 1999

Section 16 - OTHER INFORMATION

RISK

Explanation of Risk Codes used in the Ingredient Table

Risk Codes

Risk Phrases

REPRODUCTIVE HEALTH GUIDELINES

These exposure guidelines have been derived from a screening level of risk assessment and should not be construed as unequivocally safe limits. ORGS represent an 8-hour time-weighted average unless specified otherwise.

CR = Cancer Risk/10000; UF = Uncertainty factor:

TLV believed to be adequate to protect reproductive health:

LOD: Limit of detection

Toxic endpoints have also been identified as:

D = Developmental; R = Reproductive; TC = Transplacental carcinogen

Jankovic J., Drake F.: A Screening Method for Occupational Reproductive

American Industrial Hygiene Association Journal 57: 641-649 (1996).

EXPOSURE STANDARD FOR MIXTURES

"Worst Case" computer-aided prediction of spray/ mist or fume/ dust components and concentration:

Composite Exposure Standard for Mixture (TWA) :18.1818 mg/m³.

Operations which produce a spray/mist or fume/dust, introduce particulates to the breathing zone.

If the breathing zone concentration of ANY of the components listed below is exceeded, "Worst Case" considerations deem the individual to be overexposed.

Component	Breathing Zone ppm	Breathing Zone mg/m ³	Mixture Conc (%)
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Component	Breathing Zone (mg/m ³)	Mixture Conc (%)
urea	9.0909	50.0

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continued...

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Section 16 - OTHER INFORMATION

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