

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

Material Details

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

Label: No class assigned


Shipping Name: BURNAID

Burnaid Burn Gel

PHYSICAL PROPERTIES

Molecular Weight:	Not applicable
Boiling Range:	"
Melting Range:	"
Specific Gravity:	0.98 to 1.02
Water Solubility:	Miscible
Evaporation Rate:	Not available
State:	Gel
Vapour Pressure:	Not available
Volatile Component (%Vol):	"
Relative Vapour Density:	"
Flash Point:	Not applicable
Lower Explosive Limit (%):	"
Upper Explosive Limit (%):	"
Autoignition Temp (°C):	"
Decomposition Temp (°C):	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	- 1% - > 90%
Tube Gel - Melaleuca Oil - Thickeners - Emulsifiers Surfactant - Triclosan - Purified Water	- 4% - >90%
Sterility 	Single Use Sachets and Dressings are sterilised by Gamma Irradiation – Minimum dosage of 25kGy

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 stinging 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

March 2008

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.

Date: Jan. 2002

MATERIAL SAFETY DATA SHEET

Section I- Product Identification

Text: please Medique EMERGENCY PHONE: 1-800-634-7680
ADDRESS: 900 Lively Blvd Wood Dale, IL 60191
TRADE NAME: MEDIQUE
SYNONYMS: Bum Pump Spray

Section II- Material Analysis/Active Ingredients

Component or Material Chemical Name	% of Mixture	CAS #	TLV
Benzocaine USP	5.0%	94-09-7	
Benzalconium Chloride	0.14%	68424-85-1	
		64-17-5	1000 ppm
Isopropyl Alcohol	46.86%	67-63-0	
Propylene Glycol	57-55-6		
Aloe Vera	0.50%	977023-61-2	
Menthol	89-78-1		
Purified Water	47.0%	NA	

Section III- Physical Data

BOILING POINT	196°F
SOLUBILITY IN H2O % BY WT.	Completely miscible
SPECIFIC GRAVITY H2O=1	0.89
VAPOR PRESSURE PSI at 70°F	33 mm Hg
% VOLATILES by VOL.	47.0%
pH	N/A
APPEARANCE AND ODOR	Colorless liquid, medicinal odor analogous to rubbing alcohol

Section IV- Fire and Explosion Data

FLASH POINT (Closed cup)	>200°F
FLAMMABLE EXPLOSIVE LIMITS (% volume in air)	Lower 4 vol% (% vol in air) Upper 24 vol% (%vol in air)
EXTINGUISHING METHODS	Alcohol type foam, CO2. Water spray. Water fog. Dry chemical
SPECIAL FIRE and EXPLOSION PROCEDURES	Water may be ineffective. Water can be used to cool and protect exposed material however may not be capable of extinguishing the fire unless under favorable conditions by experienced fire fighters trained in fighting all types of flammable liquid fires.
UNUSUAL FIRE and EXPLOSION HAZARD	Burning liquid may float on water.

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

NOTES TO PHYSICIAN: N/A

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

VENTILATION 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	Do not 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. Install protective caps for shipment.
DEPARTMENT OF TRANSPORTATION INFORMATION PROPER SHIPPING HAZARD CLASS	ORM-D

MATERIAL SAFETY DATA SHEET

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

Section 1

Manufacturer: Aaxis Pacific
Emergency Telephone: _____ FAX: _____

Addressed by: _____ Fax: +61 2 9838 8616 Date Prepared: 21/12/2004
1/30-32 Foundry Rd, Seven Hills. NSW Sher Soa
2147, Australia
Telephone: +61 2 9838 9588

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 (H ₂ O = 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		
Incompatibility (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)
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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)						
Other Precaution and/or Special Hazards:	KEEP FROM FREEZING READ LABEL BEFORE USING.						
HMIS Rating:	Health:0	Flammability:0	0	Reactivity:0	0	Personal Protection:0	0
NFPA Rating:	Health:0	Flammability:0	0	Reactivity:0	0	Personal Protection:0	0

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	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) Safetec Triple Antibiotic Ointment	Page 1 of 2
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MANUFACTURER'S NAME Safetec of America, Inc.	EMERGENCY TELEPHONE NUMBER (24 Hours) (800) 255-3924
ADDRESS (NUMBER, STREET, P.O. BOX) 887 Kensington Avenue @ William L. Gaiter Pkwy.	TELEPHONE NUMBER FOR INFORMATION (716) 895-1822
(CITY, STATE AND ZIP CODE) Buffalo, NY 14215	DATE PREPARED September 21, 2007
	SUPERSEDES September 1, 2004

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	% (wt.) (OPTIONAL)	ACGIH TLV/TWA/STEL	
			PPM	MG/M ³

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

SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE	EMERGENCY AND FIRST AID PROCEDURES
INHALATION: Not likely due to the physical state of the product.	Remove to fresh air. Give artificial respiration if necessary.
EYES: Use only specified ophthalmic ointment in eyes. Topical ointment will cause eye irritation.	Flush eyes with copious amounts of water for at least 15 minutes.
INGESTION: May cause kidney, liver, and gastro-intestinal impairment; may induce dizziness, 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)

Safetec Triple Antibiotic Ointment

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Date: September 21, 2007

SECTION 4 - FIRE FIGHTING MEASURES

ASH POINT (METHOD USED)

Not available

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

LEL: Not available

UEL: Not available

EXTINGUISHING MEDIAUse 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)**VAPOR PRESSURE (mm Hg)**

No data

MELTING POINT

54°C (130 °F)

VAPOR DENSITY (AIR=1)

No data

PH (1% solution in water)

No data

SOLUBILITY IN WATER

Insoluble

EVAPORATION RATE (IPA=1)

No data

APPEARANCE AND ODOR

White to off-white ointment

% VOLATILES (BY VOLUME)

No data

SECTION 8 - STABILITY AND REACTIVITY**STABILITY**

UNSTABLE:

STABLE: XXX

CONDITIONS TO AVOID

Heat and oxidizing

INCOMPATIBILITIES (MATERIALS TO AVOID)

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

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

May give off fumes of carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: XXX

CONDITIONS TO AVOID

Temperatures above 300°C,

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

**SECTION I – PRODUCT IDENTIFICATION**

PRODUCT: **BZK Prep Pads and Towelette**
Product Trade Name: Dukal BZK Pads and Towelette (private label included)
Chemical name and Synonyms: Benzalkonium Chloride
Chemical Formula C₂₂H₄₀ClN
Emergency Telephone Number: 631-656-3800

SECTION II – HAZARDOUS INGREDIENTS

Hazardous Components (Specific Chemical Identity Common Name(s))	OSHA PEL	ACGIH TLV	Other	% (optional)
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No component over 1%

NFPA Health = 0 Flammability = 0 Reactivity = 0

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Physical State: Individually sealed BZK Packet
Boiling Point: N/A
Vapor Pressure (mm Hg): N/A
Vapor Density: N/A
Specific Gravity: 0.878
Melting Point: N/A
Evaporation Rate (Butyl Acetate=1): N/A
Solubility in Water: Complete
Appearance and Odor: Clear, colorless

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Flammable Limits: N/A
LEL: N/A
UEL: N/A
Extinguishing Media: Any Type
Special Fire Fighting Procedures: Wear proper protection, fight fire from a safe distance.
Unusual Fire and Explosion Hazards: None Known

**SECTION V- REACTIVITY DATA**

Stability	Stable
Incompatibility (Materials to Avoid):	None Known
Hazardous Decomposition or Byproducts:	None
<u>Hazardous Polymerization</u>	Will Not Occur

SECTION VI- HEALTH AND HAZARD DATARoute(s) of Entry:

Inhalation?	None
Skin?	Discontinue if rash or irritation occurs
Ingestion?	None

Health Hazards (Acute and Chronic): Prolonged breathing of vapors may cause coughing, shortness of breath, intoxication. Eye contact may cause moderate irritation.

Carcinogenicity

NTP?	NA
LARC Monograph?	NA
OSHA Regulated?	NA

Signs and Symptoms of Exposure: Coughing, dizziness and watery eyes

Medical Conditions Generally Aggravated by Exposure: Sensitive or inflamed skin may become irritated.

Emergency and First Aid Procedures: If large quantities are ingested, administer warm water and contact physician. With eye contact, flush with water. If irritation persists, contact physician.

SECTION VII- PRECAUTION FOR SAFE HANDLING AND USE

Steps to be taken in Case Material is Released or Spilled:	Eliminate all sources of ignition and flush with large quantities of water spray.
Waste Disposal Method:	Follow local, state and federal regulations
Storage:	None



BZK Prep Pads and Towelette

Precautions to Be taken in Handling and Storage: None Known

Other Precautions: None Known

SECTION VIII- CONTROL MEASURES

Respiratory Protection (Specific Type): NA

Ventilation

Local Exhaust: None

Mechanical (General): None

Special: NA

Other: NA

Protective Gloves: NA

Eye protection: Goggles: Use eye bath if eye contact occurs.

Other Protective Clothing or Equipment: NA

Work / Hygiene Practices: Good hygienic practice.

SECTION IX- INTERNATIONAL TRANSPORT INFORMATION

Product Class: DOT not regulated

UN Number:

**Material
Safety
Data
Sheet**



IDENTITY	Rapid Aid Instant Cold Pack
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Section I

Manufacturer's Name Rapid Aid Ltd.	Emergency Telephone Number 905-820-4788
Address 4120A Sladeview Crescent Units 1-4	Telephone Number for Information 905-820-4788
Mississauga, Ontario	Date Prepared December 17, 2007
L5L 5Z3	Signature of Preparer (optional)

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Ammonium Nitrate	N/A	10 mg/M³	N/A	

Section III - Physical/Chemical Characteristics

Boiling Point	Decomposes @: 350°F	Specific Gravity (H₂O = 1)	1.725
Vapor Pressure (mm Hg.)	Not applicable	Melting Point	Not applicable
Vapor Density (AIR = 1)	Not applicable	Evaporation Rate (Butyl Acetate = 1)	Not applicable
Solubility in Water: Complete			
Appearance and Odour : White, Odourless solid chemical with water bag			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) Not Applicable	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media			
Flood and cool hot nitrate with straight stream nozzles. Do not use shut water. Water is effective in desensitizing molten or contaminated nitrate.			
Special Fire Fighting Procedures			
Immediately ventilate structure. Do not use spray or fog nozzles. Use straight stream nozzles to cool and desensitize molten nitrate. Respiratory protection required for fire fighting personnel. When any fire is burning out of control and water cannot safely be applied to desensitize, nitrate fire crews should withdraw a safe distance and use unmanned fire lines			
Unusual Fire and Explosion Hazards			
Decomposes into flammable and hazardous nitrogen oxides. As an oxidizer, it yields nitrous oxide readily to stimulate the combustion of organic matter or ether fuel. In unconfined fire situations, ammonium nitrate fertilizer creates a self-limiting effect as the endothermic effect of its dissociation into ammonia and nitric acid absorbs the heat produced by the exothermic decomposition of nitrous oxide and water vapour. Ammonium nitrate fertilizer is not explosive. Detonation potential under confinement and high temperatures, or when heated with contaminants such as organic or carbonaceous material, metallic powders, acids, or combination with copper produces tetramine cupric hydrate, a salt with high sensitivity. Zonal decomposition a possibility.			

Section V - Reactivity Data

Stability	Unstable	<input checked="" type="checkbox"/>	Conditions to Avoid
	Stable	<input type="checkbox"/>	Heat and fire. Insensitive to impact in dry form
Incompatibility (<i>Materials to Avoid</i>)			
Chemical from damaged cold pack should not be mixed with acetic acids, metals, chlorides, organic matter, phosphorous, sodium, potassium, sulphur, inorganic zinc, copper. Copper represents the greatest contamination hazard			
Hazardous Decomposition or Byproducts			
Hazardous oxides of nitrogen.			
Hazardous Polymerization	May Occur	<input type="checkbox"/>	Conditions to Avoid
	Will Not Occur	<input checked="" type="checkbox"/>	Heat and fire

Section VI - Health Hazard Data

Route(s) of Entry:	Eye contact; Skin contact; Inhalation; Ingestion
Health Hazards (<i>Acute and Chronic</i>)	
<p>Dry chemical of cold pack may be an eye irritant, Dry chemical of cold pack is a skin irritant with prolonged contact, Dry chemical of cold pack has slight to moderate toxicity when ingested, Minimal hazard of inhalation under normal conditions. No health hazards when dry chemical and water are in solution.</p>	
Carcinogenicity: N/A	
Signs and Symptoms of Exposure	
<p>Eye contact with dry chemical may result in eye discomfort and aggravation.. Skin contact with dry chemical may result in mechanical discomfort and rash with prolonged contact. Swallowing large amounts of dry chemical may have serious or even fatal effects. Inhalation of large amounts of dry chemical dust may have serious or even fatal effects.</p>	
Medical Conditions Generally Aggravated by Exposure	
Not Available	
Emergency and First Aid Procedures (for dry chemical of the Cold Pack)	
Eyes	
If material gets into the eyes, immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. Seek immediate medical attention.	
Skin	
Wash with mild soap and water.	
Swallowing	
DO NOT induce vomiting. If person is conscious, dilute stomach contents with 48 oz. of water and seek medical attention. Contact poison control for advise.	
Inhalation	
Exposure to thermal decomposition – evacuate person to fresh air. give respiratory support. Seek immediate medical attention.	

Section VII - Precautions for Safe Handling and Use

<p>Steps to Be Taken in Case Material is Released or Spilled</p> <p>Sweep up material for disposal</p>
<p>Waste Disposal Method</p> <p>Dispose product in trash</p>
<p>Precautions to Be taken in Handling and Storing</p> <p>Avoid contact with incompatible materials. Avoid exposure to heat sources. Avoid contamination with organic matter. Do not store near food stuff.</p>
<p>Other Precautions</p> <p>None</p>

Section VIII - Control Measures

<p>Respiratory Protection (<i>Specify Type</i>)</p> <p>Adequate to control dust</p>		
Ventilation	Local Exhaust Not Required	Special Not Required
	Mechanical (<i>General</i>) Not Required	Other Not Required
Protective Gloves Conventional work gloves	Eye Protection Safety glasses with side shields	
<p>Other Protective Clothing or Equipment</p> <p>Not Required</p>		
<p>Work/Hygienic Practices</p> <p>Standard</p>		