IDENTITY
Rapid Aid Instant Hot Pack

Section I

<table>
<thead>
<tr>
<th>Manufacturer's Name</th>
<th>Emergency Telephone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rapid Aid Ltd.</td>
<td>905-820-4788</td>
</tr>
<tr>
<td>Address</td>
<td>Telephone Number for Information</td>
</tr>
<tr>
<td>4120 A Sladeview Crescent Units 1-4</td>
<td>905-820-4788</td>
</tr>
<tr>
<td>Mississauga, Ontario</td>
<td>Date Prepared</td>
</tr>
<tr>
<td></td>
<td>29 January 2001</td>
</tr>
<tr>
<td>L5L 5Z3</td>
<td>Signature of Preparer (optional)</td>
</tr>
</tbody>
</table>

Section II - Hazard Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity; Common Name(s))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits Recommended</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Chloride</td>
<td>N/A</td>
<td>Oral (LD50) 1000 mg/kg [rat]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td>N/A</td>
<td>Oral (LD50) 3000 mg/kg [rat]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium Chloride</td>
<td>N/A</td>
<td>Oral (LD50) 2600 mg/kg [rat]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>347°F</th>
<th>Specific Gravity (H₂O = 1)</th>
<th>1.850</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>Not applicable</td>
<td>Melting Point</td>
<td>345°F</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1)</td>
<td>Not applicable</td>
<td>Evaporation Rate(Butyl Acetate = 1)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Solubility in Water: Complete

Appearance and Odour: White, Odourless solid chemical with water bag
Section IV - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Flash Point (Method Used)</th>
<th>Flammable Limits</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non Flammable</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Extinguishing Media
Not Applicable

Special Fire Fighting Procedures
Not Applicable

Unusual Fire and Explosion Hazards
Not Applicable

Section V - Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stable</td>
<td>X</td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid)

Chemical from damaged hot pack may be corrosive to some metals. Avoid contact with zinc, sodium and sulphuric acid.

Hazardous Decomposition or Byproducts
None

Hazardous Polymerization

<table>
<thead>
<tr>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

Section VI - Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry:</th>
<th>Eye contact; Skin contact; Inhalation; Ingestion</th>
</tr>
</thead>
</table>

Health Hazards (Acute and Chronic)

Dry chemical of hot pack is an eye irritant,
Dry chemical of hot pack is a skin irritant,
Dry chemical of hot pack are hazardous when ingested and inhaled.
No health hazards when dry chemical and water are in solution.

Carcinogenicity: N/A

Signs and Symptoms of Exposure

Eye contact with dry chemical result in stinging, tearing, redness and swelling of eyes.
Skin contact with dry chemical may result in redness and burning of skin. Contact with damp skin can result in burns.
Swallowing large amounts of dry chemical may be harmful.
Inhalation of large amounts of dry chemical dust may be harmful.

Medical Conditions Generally Aggravated by Exposure
Not Available
Emergency and First Aid Procedures (for dry chemical of the Hot 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
Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.
# MATERIAL SAFETY DATA SHEET

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

## Section 1

**Manufacturer:**

**Aaxis Pacific**

Emergency Telephone

**Address:**

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

**Prepared by:** Sher Soa

### Section II Material Identification Information

#### Components (Chemical Names & Common Name)

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>%</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OTHER LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
<td>1 – 0.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium Dihydrogen Phosphate</td>
<td>7778-77-0</td>
<td>1 – 0.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>1 – 0.1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Section III Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Physical State: LIQUID</th>
<th>Specific Gravity (H2O = 1) ≥ 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point: 100°C</td>
<td>Melting Point: N/A</td>
</tr>
<tr>
<td>Vapour Pressure (mm Hg); N/A</td>
<td>Evaporation Rate (Water =1) ≥ 1</td>
</tr>
<tr>
<td>Vapour Density (Air =1)  Unknown</td>
<td>Water Reactive: None</td>
</tr>
<tr>
<td>Solubility in Water; Good</td>
<td>Percent Volatile: N/A pH: 7.0-7.4</td>
</tr>
<tr>
<td>Appearance and Odour: Clear, Colourless Liquid, Odourless</td>
<td></td>
</tr>
</tbody>
</table>

### Section IV Fire and Explosion Data

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

### Section V Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable; No Conditions to Avoid: None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incompatibility (Materials to Avoid):</td>
<td>N/A</td>
</tr>
<tr>
<td>Hazardous Decomposition Products:</td>
<td>N/A</td>
</tr>
<tr>
<td>Hazardous Polymerization May Occur:</td>
<td>May Occur</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>May Not Occur:</td>
</tr>
</tbody>
</table>

**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:**

<table>
<thead>
<tr>
<th>Identity:</th>
<th>Eye Wash Sterile, Buffered, Isotonic, Saline (Blue Label)</th>
</tr>
</thead>
</table>

**Emergency First Aid Procedure**

<table>
<thead>
<tr>
<th>Eye Contact;</th>
<th>NONE REQUIRED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Contact;</td>
<td>NONE REQUIRED</td>
</tr>
<tr>
<td>Inhalation;</td>
<td>NONE REQUIRED</td>
</tr>
<tr>
<td>Ingestion;</td>
<td>CALL A PHYSICIAN, IF STOMACH DISCOMFORT OCCURS.</td>
</tr>
</tbody>
</table>

**Respiratory protection (Specify Type):** NONE

**Protection Gloves:** NONE

**Ventilation to be Used:** Local Exhaust

**Mechanical (General):** 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:**

<table>
<thead>
<tr>
<th>Health:0</th>
<th>Flammability:</th>
<th>Reactivity:</th>
<th>Personal Protection:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**NFPA Rating:**

<table>
<thead>
<tr>
<th>Health:0</th>
<th>Flammability:</th>
<th>Reactivity:</th>
<th>Personal Protection:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
### SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

**IDENTITY (AS USED ON LABEL AND LIST)**

<table>
<thead>
<tr>
<th>MANUFACTURER’S NAME</th>
<th>MEDICAL FIRST TRIPLE ANTIBIOTIC OINTMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safetec of America, Inc.</td>
<td></td>
</tr>
</tbody>
</table>

**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

**DATE PREPARED**

March 13, 2009

**SUPERSEDES**

September 24, 2007

### SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

**HAZARDOUS COMPONENTS**

<table>
<thead>
<tr>
<th>CAS #</th>
<th>% (wt.)</th>
<th>ACGIH TLV/TWA/STEL</th>
<th>(OPTIONAL)</th>
<th>PPM</th>
<th>MG/M³</th>
</tr>
</thead>
</table>

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**

<table>
<thead>
<tr>
<th>INHALATION: Not likely due to the physical state of the product.</th>
<th>EMERGENCY AND FIRST AID PROCEDURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove to fresh air. Give artificial respiration if necessary.</td>
<td></td>
</tr>
</tbody>
</table>

| 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**

<table>
<thead>
<tr>
<th>NTP?</th>
<th>IARC MONOGRAPHS?</th>
<th>OSHA REGULATED?</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

Susceptible individuals may have an allergic reaction.
SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED) | FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component)
---|---
Not available | 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

MELTING POINT
54°C (130 °F)

PH (1% solution in water)
No data

EVAPORATION RATE (IPA = 1)
No data

SOLUBILITY IN WATER
Insoluble

% 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: 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.
INSTANT COLD PACK WITH UREA

Chemwatch Material Safety Data Sheet (Conforms to 91/155/EEC - 2001/58/EC)
Issue Date: 29-Jun-2007

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

<table>
<thead>
<tr>
<th>NAME</th>
<th>CAS RN</th>
<th>INT HAZ</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>water</td>
<td>7732-18-5</td>
<td>None</td>
<td>50</td>
</tr>
<tr>
<td>EC NO: 231-791-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>urea</td>
<td>57-13-6</td>
<td>None</td>
<td>50</td>
</tr>
<tr>
<td>EC NO: 200-315-5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 3 - HAZARDS IDENTIFICATION

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

HAZARD RATINGS

<table>
<thead>
<tr>
<th></th>
<th>Min/NIL</th>
<th>Low</th>
<th>Moderate</th>
<th>High</th>
<th>Extreme</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Toxicity</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Body Contact</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Chronic</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

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...
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 occur is:

continued...
INSTANT COLD PACK WITH UREA
Chemwatch Material Safety Data Sheet (Conforms to 91/155/EEC - 2001/58/EC)
Issue Date: 28-Jun-2007
NA160TCP

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   0.8 mg/m

American Industrial Hygiene Association (AIHA)

Ingredients considered according to the following cutoffs

<table>
<thead>
<tr>
<th>Very Toxic (T+)</th>
<th>Toxic (T)</th>
<th>Corrosive (C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;= 0.1%</td>
<td>&gt;= 3.0%</td>
<td></td>
</tr>
<tr>
<td>R50 &gt;= 0.25%</td>
<td>R51 &gt;= 2.5%</td>
<td></td>
</tr>
<tr>
<td>else &gt;= 10%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 precautions
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...
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: Boiling Range (°C):
Melting Range (°C): Specific Gravity (water=1):
Solubility in water (g/L): pH (as supplied):
pH (1% solution): Vapour Pressure (kPa):
Volatile Component (%vol): Evaporation Rate:
Relative Vapour Density (air=1): Flash Point (°C):
Lower Explosive Limit (%): Upper Explosive Limit (%):
Autoignition Temp (°C): Decomposition Temp (°C): Not available
State: 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...
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: 6200 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, methaemoglobinemia, 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 LC50 (72hr) (mg/l): 10000
- log Kow (Prager 1995): -1.09
- log Kow (Sangster 1997): -2.11
- log Pow (Verschueren 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.
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, 92/65/EEC, 94/33/EC, 91/669/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

<table>
<thead>
<tr>
<th>Risk Codes</th>
<th>Risk Phrases</th>
</tr>
</thead>
</table>

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


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/m³ | Mixture Conc (%) |
Component | Breathing Zone Conc (mg/m³) | Mixture Conc (%) |
urea       | 9.0909 | 50.0 |

Issue Date: 28-Jun-2007
Section 1: Product and Company Information

Manufactured by:
ProCore Laboratories
1025 South Belt Line Rd, #100
Coppell, TX 75019
Tel: (972) 393-9400
Fax: (972) 462-8406
Website: www.procorelabs.com

Manufactured for:
Medique Products
Fort Myers, FL 33967
Tel: (800) 634-7680
Fax: (800) 442-5540
Website: www.mediqueproducts.com

Product: Sani-Safe II Foaming Hand Sanitizer
Product Class: OTC

Section 2: Composition/Ingredient Information

Proprietary aqueous solution containing benzethonium chloride to be used as a hand sanitizer.

Section 3: Hazards Identification

Threshold Limit: Not Determined
Emergency and First Aid:
- Eyes: Will irritate eyes. Prolonged contact may damage cornea.
- Ingestion: Single dose oral toxicity is considered to be low. Ingestion may cause nausea, upset stomach, diarrhea and vomiting.
- Skin: Does not irritate skin under normal conditions. However, if irritation develops discontinue use.
- Inhalation: Unlikely to occur due to physical properties of product.
- Carcinogenicity: None known, not listed in NTP or IARC. Not OSHA regulated.
- Chronic: No chronic effects are known.

Section 4: First Aid

Eye: Flush eyes with copious amounts of running water for at least 15 minutes. Seek medical attention.
Ingestion: Seek medical attention if swallowed. Do not induce vomiting unless directed by medical personnel.
Skin: Product is for skin contact. If irritation develops discontinue use. Wash area with soap and water. Seek medical attention if irritation continues.
Inhalation: Remove to fresh air. If not breathing, perform CPR and seek medical attention.

Section 5: Fire Fighting Measures

Flashpoint: None
Flammable Limits: Not flammable.
General Hazard: Slippery when spilled.
Fire Fighting Measures: Avoid breathing fumes, smoke or vapor. Wear protective gear.
Extinguishing Media: Foam, carbon dioxide or dry chemical
Hazardous Combustion Products: None known
NFPA Rating:
Health – 1
Flammability – 0
Reactivity – 0
Section 6: Accidental Release and Disposal Measures

Spilled material is very slippery, use caution when cleaning. Wear protective clothing. Dike spill and contain. Keep spills and runoffs out of waterways. Cover with inert non-combustible absorbent material. Scoop and remove to approved disposal containers. Dispose of in accordance with local, state and federal regulations.

Section 7: Storage and Handling

Storage: It is recommended that this material be stored in a cool, well-ventilated area. Recommended temperature 20°C to 25°C.
Handling: Use with adequate ventilation. Do not eat or swallow. Do not get into eyes.

Section 8: Exposure Controls and Personal Protection

Eyes: Wear protective eye goggles.
Respiratory: In well ventilated area, respiratory protection is not required. In poorly ventilated areas an NIOSH-approved respirator may be required.
Apparel: The use of chemical resistant gloves is recommended. Acceptable industrial hygiene practices should be maintained.
Ventilation: Provide adequate ventilation. Use an exhaust fan as necessary.

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State:</td>
<td>Water clear liquid</td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>Approx 100°C</td>
</tr>
<tr>
<td>Freezing Point:</td>
<td>0°C</td>
</tr>
<tr>
<td>Odor:</td>
<td>Unfragranced</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>0.98 – 1.02</td>
</tr>
<tr>
<td>pH:</td>
<td>4.35 – 4.85</td>
</tr>
<tr>
<td>Water Solubility:</td>
<td>Miscible</td>
</tr>
</tbody>
</table>

Section 10: Stability and Reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability:</td>
<td>Stable</td>
</tr>
<tr>
<td>Hazardous Polymerization:</td>
<td>Will not occur</td>
</tr>
<tr>
<td>Incompatible Materials:</td>
<td>Avoid strong oxidizers</td>
</tr>
<tr>
<td>Conditions to Avoid:</td>
<td>Do not freeze; avoid heat</td>
</tr>
<tr>
<td>Reactivity with Water:</td>
<td>None</td>
</tr>
</tbody>
</table>

Section 11: Toxicological Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicological Data:</td>
<td>None known</td>
</tr>
<tr>
<td>Carcinogenicity:</td>
<td>No data available</td>
</tr>
<tr>
<td>Neurotoxicity:</td>
<td>No data available</td>
</tr>
<tr>
<td>Reproductive Effects:</td>
<td>No data available</td>
</tr>
<tr>
<td>Epidemiology:</td>
<td>May cause slight rash or irritation upon long term exposure</td>
</tr>
</tbody>
</table>

Section 12: Ecological Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecotoxicity:</td>
<td>No data available</td>
</tr>
<tr>
<td>Physical/Chemical:</td>
<td>Product is stable under normal conditions.</td>
</tr>
<tr>
<td></td>
<td>No bioconcentration is expected because of the relatively high water miscibility.</td>
</tr>
</tbody>
</table>
## Section 13: State, Federal and International Regulatory Requirements

<table>
<thead>
<tr>
<th>Regulation</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>US DOT</td>
<td>This product is not a Hazardous Material according to the Hazardous</td>
</tr>
<tr>
<td></td>
<td>Materials Transportation Act and DOT regulations in 49 CFR.</td>
</tr>
<tr>
<td>Proper Shipping Name</td>
<td>See product description</td>
</tr>
<tr>
<td>Applicable Labeling Regulations</td>
<td>21 CFR 201</td>
</tr>
<tr>
<td>TSCA</td>
<td>Components of this product are listed on the TSCA inventory.</td>
</tr>
<tr>
<td>Sara Title III</td>
<td>None known</td>
</tr>
<tr>
<td>California Prop 65</td>
<td>As a reproductive hazard: None known</td>
</tr>
<tr>
<td>Massachusetts Right to Know</td>
<td>None known</td>
</tr>
<tr>
<td>Michigan Critical Materials</td>
<td>None known</td>
</tr>
<tr>
<td>New Jersey Right to Know</td>
<td>None known</td>
</tr>
<tr>
<td>Pennsylvania Right to Know</td>
<td>None known</td>
</tr>
</tbody>
</table>

MSDS Creation Date: 7/22/08  
Updated Date: 11/11/08  
Created By: ProCore Laboratories

The information contained on this MSDS is based upon data considered to be true and accurate. No warranties, express or implied are made as to the accuracy, completeness or reliability of the information. The information is intended for use by persons with professional knowledge or the subject matter or with access to such persons. It is the user’s responsibility to assume liability for loss, injury, damage or expense resulting from the improper use of this product.
**IDENTITY**

*(As Used on Label and List)*

<table>
<thead>
<tr>
<th>Matches, Safety, Book</th>
</tr>
</thead>
<tbody>
<tr>
<td>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</td>
</tr>
</tbody>
</table>

**Section I**

**Manufacturer's Name**

D. D. BEAN & SONS Co.

**Emergency Telephone Number**

800-535-5053

**Address (Number, Street, City, State, and ZIP Code)**

P. O. BOX 348

JAFFREY, NH 03452

**Telephone Number for Information**

603-532-8311

**Date Prepared**

January 1, 2009

**Signature of Preparer (optional)**

JULIA BARTLETT

**Section II - Hazardous Ingredients/Identity Information**

<table>
<thead>
<tr>
<th>Hazardous components (Specific Chemical Identity; Common Names(s))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Recomme</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Chlorate</td>
<td>3811-04-9</td>
<td>NE</td>
<td>&lt;.01%</td>
<td></td>
</tr>
<tr>
<td>Sulfur</td>
<td>7704-34-9</td>
<td>NE</td>
<td>&lt;.01%</td>
<td></td>
</tr>
<tr>
<td>Amorphous Red Phosphorus</td>
<td>7723-14-0</td>
<td>NE</td>
<td>&lt;.01%</td>
<td></td>
</tr>
</tbody>
</table>

**Section III - Physical/Chemical Characteristics**

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>NA</th>
<th>Specific Gravity (H 0 -1) 1.3</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>NA</td>
<td>Melting Point</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Density (AR -1)</td>
<td>NA</td>
<td>Evaporation Rate(Butyl Acetate-1)</td>
<td>NA</td>
</tr>
</tbody>
</table>

**Solubility in Water**

MATCH HEADS ARE SOLUBLE IN WATER

**Appearance and Odor**

NA

**Section IV - Fire and Explosion Hazard Data**

<table>
<thead>
<tr>
<th>Flash Point (Method Used)</th>
<th>Flammable Limits</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>IN EXCESS OF 375 F</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

**Extinguishing Media**

WATER

**Special Fire Fighting Procedures**

NA

**Unusual Fire and Explosion Hazards**

AUTO IGNITION AT TEMP IN EXCESS OF 375°F OR IF EXPOSED TO FLAME

*(Reproduce locally)*

OSHA 174, Sept. 1985
Section V - Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unstable</td>
<td></td>
</tr>
<tr>
<td>Stable</td>
<td>X</td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid): None

Hazardous Decomposition or Byproducts:
- MATCHES - OXYGEN, OXIDES OF SULFUR
- STRIKER - OXIDES OF PHOSPHORUS

Hazardous Polymerization:
- May Occur
- Will Not Occur: X

Section VI - Health Hazard Data

Route(s) of Entry:
- Inhalation: YES
- Skin: NO
- Ingestion: NO

Health Hazards (Acute and Chronic): NONE

Carcinogenicity:
- NTP?: NONE
- IARC Monographs?: NA
- OSHA Regulated?: NO

Signs and Symptoms of Exposure: COUGHING FROM SMOKE

Medical Conditions:
- Generally Aggravated by Exposure: RESPIRATORY AILMENTS MAY BE AGGRAVATED BY IGNITION FUMES

Emergency and First Aid Procedures:
- TREAT BURNS ACCORDINGLY
- MOVE TO FRESH AIR

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: WET WITH WATER

Waste Disposal Method:
- SATURATE WITH WATER AND DISPOSE AT LANDFILL OR INCINERATE
- ACCORDING TO APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS

Precautions to Be Taken in Handling & Storing:
- AVOID TEMPERATURES IN EXCESS OF 375 F/STORE IN COOL, DRY PLACE
- MATCHES, SAFETY, BOOK UN1944, DOT 49 SUBPARTS 173.186 (C)

Other Precautions:
- KEEP MATCHES AWAY FROM CHILDREN, DISCARD IF WET

Section VIII - Control Measures

Respiratory Protection (Specify Type): NONE REQUIRED

Ventilation:
- Local Exhaust: NONE
- Mechanical (General): NA

Protective Gloves:
- NA

Eye Protection:
- NA

Other Protective Clothing or Equipment:
- NA

Work/Hygienic Practices:
- NA

Section IX - Transportation Measures

According to 49 CFR 173.186(C) Safety matches and wax "Vesta" matches must be tightly packed in securely closed inner packagings to prevent accidental ignition under conditions normally incident to transportation, and further packed in outer fiberboard, wooden, or other equivalent outer packagings. These matches in outer packages not exceeding 23 Kg (50 pounds) gross weight are not subject to any other requirement (except marking) of this subchapter. These matches may be packed in the same outer packaging with materials not subject to this subchapter.

While the information and recommendations contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. It is the responsibility of the user to comply with all Federal, State and Local regulations.