



BURNAID  
PROTOCOL  
FOR  
EMERGENCY  
SERVICES



## **CONTENTS**

1. INTRODUCTION
  
2. BURNAID PROTOCOLS –
  - 2.1 BURNS AND SCALDS
  - 2.2 ACID BURNS
  - 2.3 ALKALINE BURNS



## 1. INTRODUCTION

### **Purpose**

- 1.1 The purpose of this protocol manual is to ensure that Rye Pharmaceuticals;
- meets its statutory occupational health and safety obligations and the requirements of the Therapeutic Goods Act; and
  - establishes a framework for the safe management, transport, use and disposal of its products to meet the requirements of external agencies.

### **Scope**

- 1.2 This manual provides advice for clients, staff and stakeholders of Rye Pharmaceuticals on the basic protocol procedures used with products of Rye Pharmaceuticals. It is particularly relevant to Ambulance Services, First Aid providers, Emergency Rescue Services, Hospital Emergency Departments, Para-Medical Services and Educators in medicine, nursing and first aid.
- 1.3 This manual is directed principally to personnel in the above services establishing and implementing protocols for their employees. However, much of the information included will be of benefit to people living in rural and remote areas where Emergency Medical Services are not readily available or in exceptional circumstances for example in the case of BURNAID, where water is not available for the treatment of burns.
- 1.4 Burnaid is not a long term burn treatment product. It is a first aid dressing that cools, provides pain relief and protects the burn from contamination, and not to be used for long-term treatment.



## 2. BURNAID PROTOCOLS

*Medical attention should be sought for any burns:*

- *deeper than superficial*
- *larger than a 20 cent piece*
- *caused by electricity*
- *to the eyes*
- *involving airway, hands, face or genitals*
- *associated with inhaled smoke, gas or fumes*
- *where severity is uncertain.*

BURNAID should be used within the context of emergency medical or first aid procedures and is of particular benefit where there is no ready supply of clean cool water, or where a burn patient requires transport to a medical centre.)

- 2.1.1 Remove the casualty from the cause of the heat and cool the injured area. Ensure the environment is safe to continue first aid – (do not become another burns casualty yourself). Reassure the casualty and assess the injury.
- 2.1.2 FOR ELECTRICAL BURNS ENSURE POWER IS DISCONNECTED PRIOR TO APPLYING THE DRESSING
- 2.1.2 Apply BURNAID gel or dressings to cool burns as soon as possible in order to prevent further damage to underlying tissues, aid the healing process and provide rapid relief from pain. **Guidelines for applying BURNAID gel and dressings are contained in the table following.**
- 2.1.3 Gently remove any rings, watches, belts, shoes or other constricting clothing from injured area before swelling occurs. Do not remove anything stuck to the wound.
- 2.1.4 Cover burns by selecting the most appropriate size of dressing. For example, an assorted Blanket Replacement Kit can contain assorted dressings to cover a complete body and should be used for all large area burns.
- 2.1.5 Bandage lightly with a conforming bandage to hold in place. An open weave bandage, lightly applied, should be used to allow heat to dissipate from the affected area.



- 2.1.6 BURNAID can be left on for up to 2 hours or until the dressing becomes dry. If conditions are very hot or dry, dressing may dry out and need replacing earlier. *Prolonged and large surface area exposure to BURNAID may contribute to hypothermia. To help prevent hypothermia bandage with open weave bandage and cover body surface with space or heat reflective blankets. Normal blankets can also be applied. Cling wrap can be placed over Burnaid dressings after initial cooling period to help prevent excessive heat loss for long distance transport of patient to medical facility.*
- 2.1.7 BURNAID is removed easily for examining burns or to apply another dressing.
- 2.1.8 BURNAID can be transported in sterile single use sachets, dressing packs or blanket replacement kit.
- 2.1.9 BURNAID gel and dressings should not be stored at extreme temperatures. Store in a cool place wherever possible. *Placing Burnaid dressing in cooling device may contribute to hypothermia.*
- 2.1.10 BURNAID gel is non-toxic and of little or no irritancy. If irritation occurs BURNAID should be removed immediately. If burns are severe or cover a large area apply BURNAID and seek immediate medical treatment.



## **PROTOCOL FOR THE USE OF BURNAID WITH ACID BURNS**

- 2.2.1 Remove clothing completely and as quickly as possible.
- 2.2.2 If water available complete and continuous irrigation should be done for a minimum of 30 min to 1 hour. (Neutralization of chemical burns will waste time and needs to be performed within the first 3 minutes of receiving the chemical burn)
- 2.2.3 Apply BURNAID gel or dressing to the burn. If using gel, apply liberally so that all air is excluded from the burn area. If using a dressing, choose the most appropriate size to completely cover the burn.
- 2.2.4 Repeat the application of BURNAID gel or dressing after one (1) hour.
- 2.2.5 Bandage lightly with a conforming bandage to hold in place. An open weave bandage, lightly applied, should be used to allow heat to dissipate from the affected area.
- 2.2.6 If water not available, remove all clothing completely and any offending agent remaining on the skin with a dry cloth. Apply BURNAID immediately and transport to a medical facility. (Burnaid should only be applied immediately if there is no water available).
- 2.2.7 It is recommended to follow MSDS information regards treatment of chemical burns.



## **PROTOCOL FOR THE USE OF BURNAID WITH ALKALINE BURNS**

- 2.3.1 Remove all clothing completely (clothing can trap offending chemical).
- 2.3.2 If water available irrigate continuously for 30 minutes to 1 hour.
- 2.3.3 Apply BURNAID gel or dressing to the burn. Apply gel liberally so that all air is excluded from the burn area.
- 2.3.4 Repeat the application of BURNAID gel or dressing after one (1) hour.
- 2.3.5 Bandage lightly with a conforming bandage to hold in place. An open weave bandage, lightly applied, should be used to allow heat to dissipate from the affected area.
- 2.3.5 If no water available or if patient needs to be transported immediately to a medical facility - Remove clothing completely, remove any remaining agent with a dry cloth and apply BURNAID
- 2.3.6 It is recommended to follow MSDS information regards treatment of all chemical burns

## **CRYOGENIC OR COLD BURNS**

- 2.4.1 Apply Burnaid gel or dressing immediately to the affected area. This will provide pain relief and prevent the wound from drying causing dermal damage.
- 2.4.2 To hold dressing in place bandage lightly with an open weave bandage and transport to medical facility



<b>BURNAID GEL IN SACHETS AND TUBES FOR FIRST AID USE WITH MINOR BURNS, SCALDS AND SUNBURN</b>	<b>BURNAID STERILE GEL IMPREGNATED DRESSING</b>	<b>BURNAID FACIAL BURNS DRESSING</b>	<b>BURNAID BLANKET REPLACEMENT KIT</b>
<p><b><u>Sachet</u></b></p> <ol style="list-style-type: none"> <li>1. Locate the ‘nick’ at the top left hand front corner of the sachet.</li> <li>2. Tear open sachet at corner ‘nick’.</li> <li>3. Squeeze all the gel onto the burn.</li> <li>4. Leave a thick covering of the gel on the burn to aid cooling. Do not spread thinly or rub in.</li> <li>5. For fingertip burns – slice the top of the sachet and insert the finger into the sachet of gel.</li> <li>6. Cover if necessary.</li> <li>7. Reapply as required</li> <li>8. If further medical attention is required – rinse off using running water.</li> <li>9. Seek medical attention for any burn that covers a large area or is a deep burn.</li> </ol> <p><b><u>Tube</u></b></p> <ol style="list-style-type: none"> <li>1. Open tube and apply gel liberally to affected area.</li> <li>2. Follow instructions for sachet 4 – 8.</li> </ol>	<ol style="list-style-type: none"> <li>1. Choose a dressing/s to adequately cover the burn area (10x10cm, 20x20cm, 55x40cm)</li> <li>2. Locate the ‘nick’ at the top right hand front corner of the sachet.</li> <li>3. Place pinched thumb and forefingers either side of the ‘nick’ and pull both hands apart at 180 degrees to each other.</li> <li>4. Pull a strip down along the top of the dressing</li> <li>5. Alternatively cut open with scissors.</li> <li>6. Apply immediately to burn. The dressing may be applied over burned clothing, as it will penetrate through to the burn.</li> <li>7. Place the dressing flat over the burn area.</li> <li>8. If required use any excess gel inside the sachet to place on the burn and into the crevices.</li> <li>9. For burns and scalds covering a larger area such as a hand or foot wrap well around the limb.</li> <li>10. If required, bind lightly with a bandage to hold into place.</li> <li>11. Seek immediate medical attention if the burn is severe, or covers a large area.</li> <li>12. BURNAID gel is water soluble and can be readily rinsed off should further medical treatment be necessary.</li> <li>13. Can be refrigerated. Do not freeze.</li> </ol>	<ol style="list-style-type: none"> <li>1. Open pack and remove dressing.</li> <li>2. Unfold and place over face.</li> <li>3. Ensure eye, nose and mouth cut-outs align to patient’s face</li> <li>4. Tuck dressing well around the sides of the face to ensure good contact with the burnt areas.</li> <li>5. BURNAID dressing is non-adherent, is water soluble and can be readily rinsed off under running water should further medical treatment be necessary.</li> </ol>	<ol style="list-style-type: none"> <li>1. Select the appropriate sachet or dressing from the kit to treat the burn and use as per instructions in previous columns</li> <li>2.</li> </ol>

Table 1: How to use BURNAID gel and dressings.