


Drug (Brand)	Class/Action	ADVERSE/se:	Dose
silver sulfADIAZINE (Silvadene)	anti-infective (topical) / bactericidal action against organisms found in burns. Softens eschar – minimal penetration	no life threatening, no most frequent. may be pain, burning, itching infrequently 	1% cream (water soluble) 1-2 x daily in layer 1.5mm thick - or (1/16 inch layer w/sterile glove 1-3 x daily)

**Nursing considerations:** assess burn tissue for infection and sepsis prior to and throughout therapy. Monitor for hypersensitivity.

### Lab Test Considerations

- Monitor renal function studies and CBC periodically when applied to large area, because systemic absorption may cause nephritis and reversible leukopenia . Decrease in neutrophil count is greatest 4 days after initiation of therapy; levels usually normalize after 2–3 days. Monitor urine for sulfa crystals as it is absorbed.

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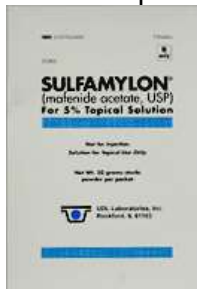
ADVERSE/se:

Dose

mafenide acetate (Sulfamylon)

broad spectrum, antibacterial / penetrates eschar even in the presence of pus and serum. Effective against gram – and +

non-toxic, but pain on applications and allergic reactions have been reported.



5-10% hydrophilic-based cream - Topical applied to burn wound once or twice a day. Wound is kept covered with this medication. Powder form is mixed with NS and applied over gauze dressing several times per day to keep bandaging wet. 10% - electrical burns

**Nursing considerations:** Painful on application up to 20 min, pre-medicate w/analgesic before applying. Monitor ABG and disc if acidosis occurs.

Drug (Brand)    Class/Action    **ADVERSE/se:**    Dose

Nitrofurazone  
(Furacin )



antibacterial /  
tx skin infections  
due to burns and  
skin grafts. Kills  
and prevents  
growth.

itching, rash, local  
edema and  
hypersensitivity .  
bacterial and fungal  
super infections may  
occur.

Topical  
Solution  
Cream 2%

**Nursing considerations:** works on s. aureaus, streptococcus, echerichia coli and others. Normally indicated as adjunct to pts with 2ndary and 3<sup>rd</sup> degree burns, grafts. Efficacy is reduced in presence of heavy microbial contamination, plasma, or blood.

Drug (Brand) Class/Action

ADVERSE/se:

Dose

Petrolatum  
Gauze  
(Xeroform)



wound dressing/  
medicating,  
deodorizing,  
occlusive and non  
adhering to protect  
and promote moist  
wound healing.

signs of infection:  
redness, swelling,  
drainage, bad smell.  
normal: crusty and may  
itch. Skin will be pink or  
dark red with white flaky  
areas – expected.

3% Bismuth  
tribromophenate in a  
petrolatum blend on fine  
mesh gauze

**Nursing considerations:** artificial skin, yellow dressing that covers skin graft. Don't keep xeroform under water for more than 10 minutes.

Drug (Brand) Class/Action

ADVERSE/se:

Dose

silver nitrate	antibiotic, topical, cauterizing agent, antibacterial / promote healing & treat burns. Effective gram - +, molds and yeast.	change in color of skin (stain blown-black), irritation	0.5% aqueous solution applied to dressing every two to three hours to keep wet.
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**Nursing considerations:** does not penetrate burn eschar. Application is painless, but requires frequent attention. Dressing cannot be allowed to dry. Avoid in very deep wounds, where topical care has been delayed and wounds are already heavily colonized.

