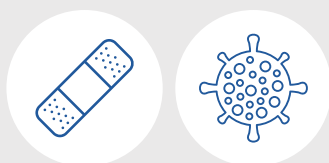


SILVER-BASED API's

Antimicrobial active

WOUND CARE

Silver impregnated products helps to heal wounds and burn-ulcers. Silver prevents infections on damage skin.



	% Ag	DOSAGE RANGE	CERTIFICATION
Colloidal Silver	71%	0.02-0.1%	
Silver Zeolite	2.5 %	0.05-1.5%	
Silver Copper Zeolite	1.5 % (0.5-4.5% Cu)	0.1-2%	
Silver Sulfate	69%	0.04-0.2%	
Silver Nitrate	63%	0.04-0.2%	
Metallic Silver Powder G/W	>99%	0.03-1%	



FINAL PRODUCTS

Topical use in cream, dressing, foam, gel, ointment, plaster and spray.

THERAPEUTIC USE

- Diabetic foot ulcers
- Leg ulcers
- Pressure ulcers
- Surgical wounds

WOUND CARE EMULGEL

SILVER ZEOLITE 0.1%



SILVER ACTIVITY

- Antimicrobial mechanism:
 - Inhibition of bacterial respiratory chain enzymes.
 - Alteration of membrane function.
 - Inhibition of cell replication.
- Strengthening immune system.
- No resistance founded.

BENEFITS & CLAIMS

- ✓ Silver kills a broad variety of pathogens.
- ✓ Antimicrobial silver ions release reduce bioburden and infections in exuding wounds.
- ✓ Prevent infections for longer periods of time.
- ✓ Helps healing process.
- ✓ Non irritant. Dermatologically tested. No toxic.



PROCESSING

1. Add one by one the ingredients of oil phase (Wax, Glyceryl).
2. In different recipient, mix ingredients of aqueous.
3. Do an emulsion with aqueous and oil phase.
4. Add in the emulsion Sodium Hydroxide.
5. Add the rest of ingredients (including Silver Zeolite) below 38 Celsius degrees.

INGREDIENTS

%

OIL PHASE

Synthetic Wax (Cirebelle 505)	3.00
Stearic Acid	1.50
Glyceryl Stearate	1.50
Dimethicone	0.60
Polysorbate-60	0.25
Tocopheryl Acetate	0.06

AQUEOUS PHASE

Aqua	77.73
Glycerin	6.00
Propylene Glycol	5.00
Glyceryl Polyacrilate	2.50
Disodium EDTA	0.04

Add it in the emulsion

Sodium Hydroxide	0.35
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Add them T^a < 38°C

Alpha Bisabolol	0.18
Benzyl Alcohol	0.80
Parfum	0.30
Silver Zeolite	0.10
Lactic Acid	0.09