

# MS HC®

*The Silanol technology in powder form*

**ANTI-WRINKLE  
MOISTURIZER  
SKIN RESTRUCTURATION  
IMMEDIATE TENSING FEEL**

**SKIN CARE & TREATMENT MAKE-UP**

**EXSYMOL**  
MONACO

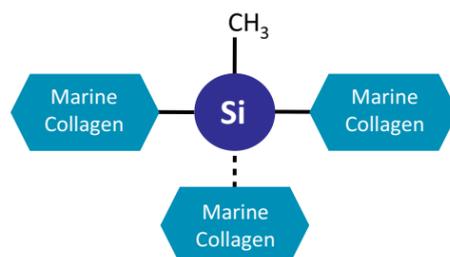
MS HC is a highly concentrated silanol combined with marine collagen. It provides the skin with immediate tensile feeling and long term skin reorganization.

## THE SILANOL TECHNOLOGY

Organic silicium is an essential component of the skin. Indeed, by interacting with structure proteins within the dermis such as collagen fibers, elastin and proteoglycans, the silicium insures an optimal skin organization and architecture.

However, with age the amount of organic silicium naturally present in the skin tends to decrease, thus leading to an overall collapse of the skin architecture and resulting in the apparition of wrinkles.

MS HC is part of the silanol family. As such, it possesses an organic silicium core. A topic application of MS HC on the skin will therefore replenish the skin natural pool of organic silicium. The skin will be restructured, better organized and rejuvenated. MS HC provides the skin with optimal hydration, elasticity and flexibility. Ultimately, the skin will become visibly younger.



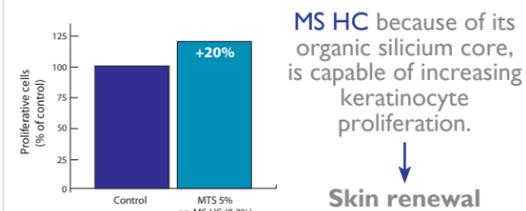
## MARINE COLLAGEN

Marine collagen has been used for cosmetic purpose for many years. This marine collagen provides the skin with a feeling of instant firming and tightening.

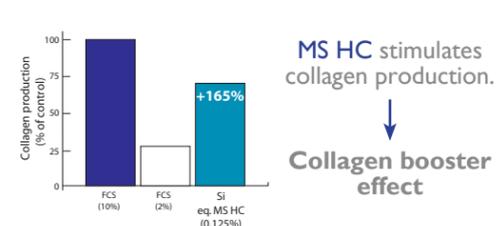


## METABOLISM STIMULATION

### Keratinocyte proliferation

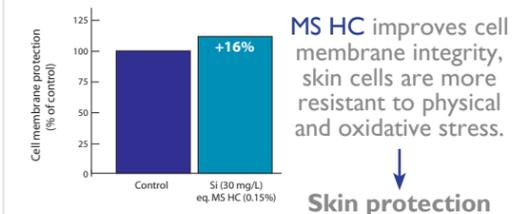


### Collagen production

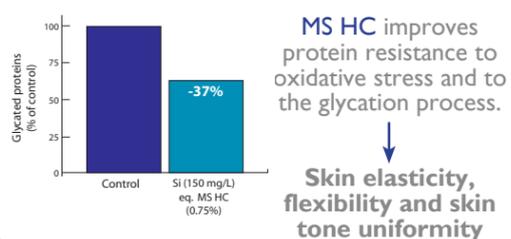


## SKIN PROTECTION

### Cell protection

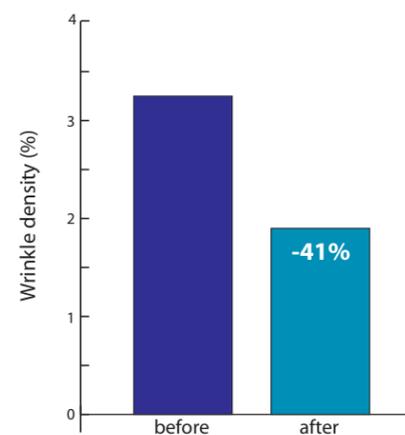


### Protein protection



## IN VIVO TESTINGS

Several *in vivo* assays were performed using organic silicium. These assays monitored the evolution of facial wrinkles.



↑ Crow feet wrinkles appearance was also assessed after 4 weeks of treatment with MS HC (0.3%) on 54 volunteering women.

← We measured the wrinkle density of 15 volunteering women aged 35 to 50 who received a treatment with organic silicium (400mg/L, eq. to 2% MS HC) in compress for 12 weeks.

We showed that a treatment with organic silicium, such as MS HC, leads to a decrease in wrinkle number and in wrinkle depth. Furthermore, the marine collagen provides the skin with a immediate action feeling thanks to its tensile activity.

**The skin is instantly firmer and visibly younger**

# MS HC®

INCI name: SILANETRIOL (and) HYDROLYZED COLLAGEN

MS HC is the powder version of the silanol technology.  
As such, it is especially adapted for treatment make-up.

## COSMETIC APPLICATIONS

ANTI-WRINKLE  
MOISTURIZER  
SKIN RESTRUCTURATION  
IMMEDIATE TENSING FEEL

## TECHNICAL CHARACTERISTICS

### ANALYTICAL COMPOSITION

Hydrolyzed marine collagen.....83%  
Methylsilanetriol.....6.3%  
    including Silicium.....2%  
Water (sqf).....100%

### PHYSICO-CHEMICAL CHARACTERISTICS

Hygroscopic beige powder  
pH of a 4% solution  $\approx$  2.5 – 4.0  
Density of a 4% solution  $\approx$  1  
Miscible with water  
Non miscible with hexane, mineral and vegetal oils

### PRESERVATIVES

No preservative

### TOLERANCE AND TOXICITY STUDIES

MS HC does not show any toxicity  
Tolerance studies were performed using both *in vitro* (cell culture and reconstructed epidermis) and *in vivo* (human volunteers) methods

### FORMULATION

Advised doses for day to day treatment: 0.5 to 1.5%  
No particular formulation restriction

### AVAILABILITIES

MS HC is available in 1, 5, 20 and 40 kg drums