stable and does not change the chemistry of the blood or liver like most other copper supplements.

### Wrinkles and saggy skin

Wrinkles and saggy skin are signs of copper deficiency. Expensive copper peptides are now being sold to improve aging skin. Salicylic acid is also being studied as a skin rejuvenator. **CopperOn** contains both ingredients and can be used safely as a long-term treatment to prevent, reduce, or manage aging skin and wrinkles.

## Is MTHFR a gene mutation?

The number of people diagnosed with Methyl Transferase (MTHFR) and the whole dynamic of transcription errors has dramatically increased. People are conditioned to believe that this is a gene mutation.

COPPER IS ESSENTIAL FOR THE FUNCTIONING OF THE METHYL TRANSFERASE ENZYME. THE CREATION OF MTHFR REQUIRES COPPER.

It is essential to understand that a lot of psychodramas are occurring about MTHFR, but its foundation needs minerals. Be very mindful of the fact that copper, zinc, magnesium, and B vitamins are missing. Other essential minerals might be missing as well, but do not suddenly think that you have a gene mutation when, in fact, you probably have a mineral deficiency, particularly a copper deficiency, which is at the very root of all methyl transferase activity.

## **CopperOn** — the perfect copper salicylate complex

Copper complexes are highly effective anti-inflammatory agents. Copper salicylate is remarkably stable and does not change the chemistry of the blood or liver like most other copper supplements.

Copper salicylate has a more potent anti-inflammatory effect than cortisone but without the side effects.

The copper-zinc enzyme Superoxide Dismutase (SOD) is one of the most important antioxidants and inflammation fighters produced in the body to protect cells from damage by free radicals. Many copper complexes, and in particular copper salicylate, demonstrate SOD activity.

Glutathione is another important cellular antioxidant. Copper salicylate has a positive effect on the glutathione status of the liver, and it has been found that this could be achieved with either oral or topical application.

## Tesla Scalar Vortex

**Miracle Products' CopperOn** is Dynamically Enhanced using a proprietary advanced technology. Our Tesla Scalar Vortex generator produces Infrared Quantum Sound with 528 Hz and inert Noble Gases, each known to provide specific information and beneficial resonant health effects. This energy offers the incredible benefit of strengthening DNA bonds and cleansing the blood, especially when carried into cells utilising scalar-enhanced supplements.

*Enjoy great health and put your* **CopperOn!**

*This information is for education purposes only. It is not medical advice and is not intended to diagnose, treat, cure, or prevent any disease.*

*Always seek the advice of your medical practitioner or qualified health provider when starting any new medical treatment.*



MIRACLE PRODUCTS
SCIENCE OF NUTRITION

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**CopperOn** Organic Copper Balm

# CopperOn

## Organic Copper Balm

In the Ayurvedic medicinal tradition, copper is a powerful element recommended for joint inflammation and pain, skin ailments, headaches, rheumatoid arthritis, epilepsy, and bone and lung disorders. Known for its anti-inflammatory, antibacterial, and antiviral properties, it is the trifecta of wound care.

Copper has been used for health purposes since ancient times.

## Copper is one of the essential elements required for normal human metabolism

When microbes come into contact with copper, they release copper ions (electrically charged particles). The ions prevent microbial cell respiration, punch holes in the bacterial cell membrane, disrupt the viral coat and neutralise the DNA /RNA inside. This neutralisation of the DNA and RNA is important as it means that no mutation can occur, preventing the microbe from developing copper resistance.

Bill Keevil, Professor of Environmental Healthcare at the University of Southampton, has shown that copper alloys negate superbugs, including MRSA and those from the ESKAPE group (six highly virulent and antibiotic-resistant pathogens)—the leading cause of hospital-acquired infections.

The copper content of a healthy adult is reported to be approximately eighty milligrams. The highest level of copper is found in the liver and brain, followed by the heart, kidney, pancreas, spleen, lungs, bone, and muscle. Copper is one of the essential elements required for normal human metabolism, including specific enzyme production and regulation. Copper is an excellent energy conductor; when you take it out of the human body, it just falls apart.

Dynamically Enhanced®

## Copper dysregulation — copper toxicity and copper deficiency

What needs to be understood about copper testing is that results can show an excess when, in fact, copper is not being absorbed and utilised correctly in the body. This is known as copper dysregulation.

Morley Robbins, a well-known health coach, shares his knowledge regarding copper dysregulation, where simultaneous copper deficiency and excess occur simultaneously. He believes magnesium deficiency and copper dysregulation are the root causes of all diseases.

He states that the common origin of Lyme disease, fibromyalgia, thyroid issues, Hashimoto's, rheumatoid arthritis, aneurism and more all have copper dysregulation.

*"It is staggering when you begin to realise that that one mineral has that kind of impact. When you begin to dig into why everyone is sick, about 99% of the reason is people don't have enough magnesium, or they don't have the right bioavailability of copper."*

MORLEY ROBBINS, MBA, CHC

Copper does not work properly unless it is attached to its transport protein, ceruloplasmin. Ceruloplasmin is an enzyme produced in the liver. It is the major copper-carrying protein in the blood and helps move iron from the organs and tissues into the blood.

CERULOPLASMIN BINDS AND CARRIES MORE THAN 95% OF THE TOTAL COPPER IN HEALTHY HUMAN PLASMA AND IS THE KEY TO BOTH COPPER AND IRON BIOAVAILABILITY.

Ceruloplasmin ensures that copper and iron are properly transported so that they do not cause oxidation. Without ceruloplasmin, copper is unbound and cannot be utilised by the body. Unbound copper becomes destructive. Understanding this, it becomes evident that supporting our livers' production of ceruloplasmin can be one of the most important things we can do for our health.

## Four key things that interfere with ceruloplasmin production

**1. Stress**

Stress triggers the release of an essential stress hormone called ACTH (adrenocorticotropic hormone) from the pituitary. This hormone triggers the adrenal production of cortisol and aldosterone and all sorts of stress responses. ACTH will also stop the production of ceruloplasmin in the liver and brain.

ADRENAL FATIGUE IS ONE OF THE LEADING CAUSES OF COPPER DYSREGULATION IN THE BODY.

ACTH is linked with magnesium - when magnesium is high, ACTH is low. The reverse of that is also true. Magnesium levels drop because of stress, and ACTH will build. Getting stressed out causes a breakdown in the production of ceruloplasmin, which is the very mechanism that creates copper dysregulation.

### Great news for autoimmune disorders!

Stress is a primary factor in activating granulocytes, immune cells that cause inflammation and are primarily responsible for the symptoms of autoimmune diseases. Copper salicylate complexes have been found to control the metabolic activation of granulocytes.

**2. Supplementing with vitamin D**

Calcitriol, otherwise known as vitamin D in fact, is not a vitamin but is a hormone) destroys vitamin A in the liver. People are swallowing vitamin D like it's no big deal when they have no idea that vitamin A, in the form of retinol, is essential for the liver to produce ceruloplasmin. Vitamin D in supplement form is one element that creates copper dysregulation.

> *"If you don't know both your storage and active hormone D levels, you should not be getting anywhere near that supplement."*
>
> MORLEY ROBBINS, MBA, CHC

**3. Supplementing with ascorbic acid**

We have been trained to believe that vitamin C and ascorbic acid are the same. They are not.

The vitamin C molecule is like a car. It's a shell with four wheels, a steering wheel, and an engine. That's pretty much the car's design, and it is a close analogy to the design of the vitamin C molecule. Continuing our analogy, ascorbic acid, on the other hand, is the shell of a car without any moving parts.

The important part about the vitamin C molecule is that its engine is an enzyme called tyrosinase, and the spark plug that runs that engine is copper. Tyrosinase is very important in helping the body metabolise copper.

*Ascorbic acid, on the other hand, causes copper to separate from ceruloplasmin.*

Whole food natural vitamin C is essential for proper connective tissue formation and doesn't dysregulate copper. Try our certified organic **Camu Camu Extract** for a rich source of natural berry vitamin C.

**4. High-fructose corn syrup**

Consuming high-fructose corn syrup has been shown to cause copper deficiency in the liver and iron toxicity. This is a very bad combination because you need copper to make ceruloplasmin. That is one of the many catch-22s in the body. So, the mineral you need to bind up properly is required to make the enzyme/protein that allows that to happen.

HIGH-FRUCTOSE CORN SYRUP IS VERY TOXIC TO THE LIVER.

High-fructose corn syrup is directly related to all non-alcoholic fatty liver disease.

## Copper toxicity hides three deficiencies.

It has been shown that all copper toxicity is related to three deficiencies: **zinc, copper, and iron**. By its very nature, copper toxicity will lead to a zinc deficiency because there is a correct balance between zinc and copper in the body. There will be a relative zinc deficiency when there is too much copper. This, in turn, affects digestion (excess copper overwhelms the zinc needed to make stomach acid) and immune response, which will affect many skin issues caused by too little zinc relative to the amount of copper in the body. So, that is the first deficiency..

The second deficiency occurs when copper toxicity creates copper deficiency because of the lack of ceruloplasmin. A lack of this protein results in high levels of unusable copper and deficient levels of usable copper; the metabolic deficiency of copper then leads to number 3, iron deficiency.

## Copper dysregulation symptoms

Morley Robbins believes that very few people don't have some copper dysregulation. He says, "I would bet it's probably in the 90% range."

Some classic signs of copper dysregulation are the inability to lose weight, having low blood sugar, chronic UTIs, craving carbohydrates, acne, high blood pressure or headaches, especially migraines.

### Wired and tired

Many people experience what's called a 'wired and tired' state, where their minds can't shut down, but they're exhausted in their bodies. That's probably the most notable complaint people have about copper dysregulation. It can be quite challenging to deal with.

### Dark circles under the eyes

Often, the first thought when dark circles appear under the eyes is liver congestion. Consider that this is actually a result of a build-up of unbound copper and iron in the liver, which expresses itself as dark circles under the eyes. Again, this is from too much-unbound copper, which prevents the liver from producing the protein that it needs—ceruloplasmin.

### Hormonal imbalance

People have been conditioned to believe that their hormone imbalance is caused by hormones. In fact, hormonal imbalance is completely related to the disproportion of zinc and copper..Copper, and other minerals like zinc, helps maintain optimal hormonal gland function. When blood copper levels are low hormone levels fall. Copper makes the enzyme that makes estrogen, and zinc makes progesterone.

Copper complexes are highly effective anti-inflammatory agents. Copper salicylate is remarkably stable and does not change the chemistry of the blood or liver like most other copper supplements.

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