



# Geo Alchemic EMF Protective Wear

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Discover Miracle Products

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## Introduction

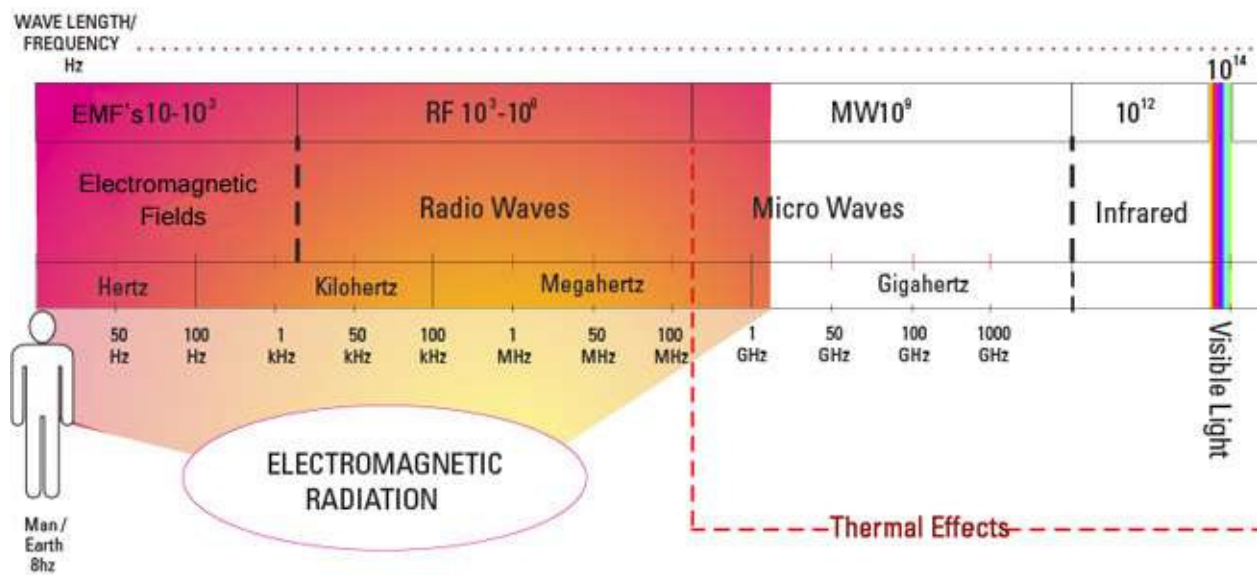
Geo Alchemic products are designed with the intent of protecting the wearer from EMF radiation. Reducing your exposure to EMF radiation from things like WiFi, cell phones, computers, television, home appliances, cell towers & 5G can have a profound benefit in supporting health and vitality. There is an extensive body of research showing that these unnatural frequencies have damaging effects on biological life.

Protecting the human brain in these times of excessive manmade frequency generation is extremely important for general health, mental health and overall well being.

## What Does EMF Mean?

EMF stands for electromagnetic field. EMF is a source of non-ionizing radiation emitted by devices such as microwave ovens, mobile telephones, Wi-Fi hubs, computers, cell-tower antennae, electrical cables and an increasing numbers of devices and “smart” appliances. This is a type of non-ionizing radiation.

Our power lines, cell phones, microwaves, Wi-Fi routers, computers, and other appliances send out a stream of invisible energy waves. Electric and magnetic fields (EMFs) are produced anywhere electricity is used, including at home and in the workplace.



An electromagnetic field (EMF) is an electricity derivative produced by electrical conductors and alternating currents. EMFs surround electronic devices when there is a change in charged particle velocity. Electrical currents are generated and ignite magnetic fields that are produced when charged electrons gain speed. EMF has facilitated fast and convenient communication and advanced the use of wireless devices, such as cell phones & appliances, mobile devices, and laptops.

## Is EMF Dangerous?

It is interesting that many industry or government sponsored studies conclude that there is no evidence of harmful health effects from EMF because it is non-ionizing

radiation. However, many independent studies conclude that devastating health effects can result as non-ionizing radiation can move atoms around in the body or make them vibrate, which can damage DNA and cells. The US Navy concluded in the 1970s that non-ionizing radio frequency can cause sterility and several types of cancer, leukemia, and other serious conditions.

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## Scientists Debate Health Hazards of Electromagnetic Fields

Uncertainties abound, but risks from electrical appliances and wires can no longer be ruled out.

By WILLIAM K. STEVENS

**I**n the century since electric power revolutionized human existence, most people have scarcely thought, if at all, about whether it is safe to live with the electromagnetic fields radiated by the cables, wires, fixtures and appliances all around them. When the questions did come up, scientists generally assured the public that there was no danger to health. They are no longer so certain. While virtually all experts still say no proof yet exists that electromagnetic fields pose any health threat, accumulating scientific evidence has convinced many that there is cause for concern.

Laboratory studies on animal cells have shown that electrical current alternating at 60 cycles per second, or 60 hertz, the kind that comes into almost every American home, emits radiation that can cause biochemical changes. Some of the changes might conceivably cause adverse health effects if the cells in the human body are similarly affected. And three epidemiological studies have demonstrated a statistical association between exposure to power distribution lines and cancer in children, although two other studies have not.

The rising sense of concern — and the uncertainty engendered by ambiguous and often contradictory data — was brought into sharp focus in a comprehensive background paper issued last month by the Congressional Office of Technology Assessment. "The emerging evidence no longer allows one to categorically assert that there are no risks," said the report, prepared by a team at Carnegie Mellon University. "But it does not provide a basis for asserting that there is a significant risk."

*"It is now clear that 60-hertz and other low-fre-*

**Everyday Devices**  
 If everyday electric and magnetic fields turn out to pose a health risk, small currents that the coffee maker at left could play a major role. The most intense magnetic fields in the home are found near such appliances, although the fields extend only a few feet.

**Power Lines Under New Focus**  
 Much attention has focused on high-voltage transmission lines, but epidemiologists are studying how indoor distribution systems, such as those in the house at right, may contribute to cancer risk.

Detail of nerve cell wall

The International Agency for Research on Cancer (IARC) has classified non-ionizing EMFs in the radiofrequency range as Group 2B, a possible human carcinogen.

*“The evidence indicating wireless is carcinogenic has increased and can no longer be ignored,”* stated Dr. Anthony B. Miller, professor, cancer researcher and long-time advisor to WHO.

In today’s technology-filled world, we are surrounded by EMFs that affect us up to 24 hours a day. While the wireless companies and the Federal Communications Commission (FCC) claim they are safe, there are more independent studies coming out confirming these fields carry severe health complications for society, as well as harm the environment. Moreover, further digging uncovers how corrupt the FCC is, and that the organization gave up its power to protect the people against EMFs a long time ago.

Joel Moskowitz, Director and Principal Investigator at the Center for Family and Community Health at Berkeley's School of Public Health, has revealed that the university was hiding scientific research linking cell phone use to brain tumors and infertility (the two biggest concerns discussed when it comes to cell phones). Moskowitz confirmed the wireless industry goes to great length to keep this kind of information out of the public eye.

***Since the wireless industry's growth has not stopped but sped up, it is time to arm ourselves with the knowledge that can protect our families.***

In 2012, the BioInitiative Working Group (BWG) released a 1,557-page report on EMFs and their health dangers based on the work of many independent scientists, researchers, and experts in this field. The main reason for all of the health issues, as they explain in detail, is because ***humans are "bioelectrical systems."*** Our bodies are functioning based on internal bioelectric signals and artificial EMFs can disrupt any and all of the body's normal processes.

Until the truth about EMF is fully out in the open, there are many trustworthy sources (experts such as Dr. Devra Davis of Environmental Health Trust and Director of the Center for Family and Community Health at UC Berkeley Joel M. Moskowitz, Ph.D.) to use to arm yourself with information on the dangers of EMFs and how to protect yourself, your home, and your family.

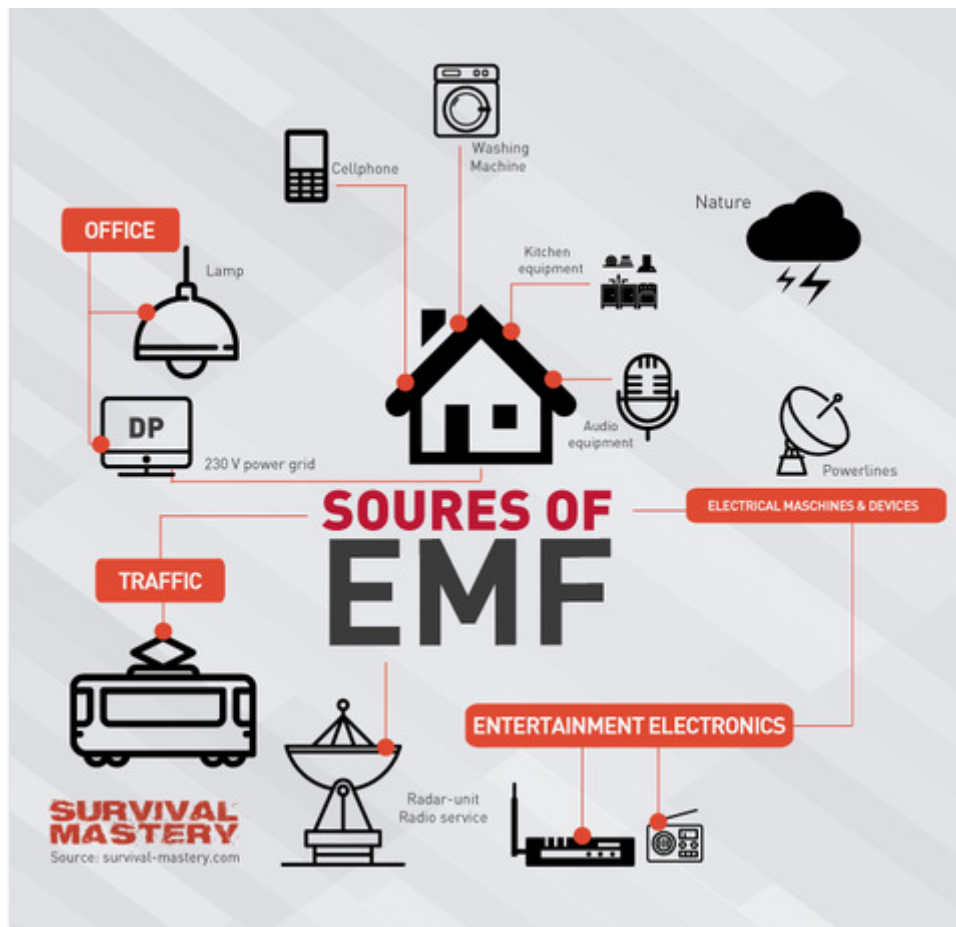
## **EMF In Your Home**

Every electrical appliance in your home emits EMFs. You are getting short-term high exposures when you are near appliances like refrigerators, televisions, microwaves, and washing machines. The EMF radiation drops off as you move away from these appliances.

EMFs have various wavelengths and frequencies; higher frequency corresponds to shorter wavelength or distance. Every one of them has a different effect on the human body, according to the World Health Organization (WHO), and they affect our pets and wild animals as well.

Both electric and magnetic fields are stronger closer to their source, which is why it is dangerous to live close to a cell tower or to place Wi-Fi routers in the bedroom

or to keep a cell phone next to the head when sleeping. The farther we are from these EMF sources, the safer we are.



*“For the first time in our evolutionary history, we have generated an entire secondary, virtual, densely complex environment — an electromagnetic soup — that essentially overlaps the human nervous system,”*

Michael Persinger, Ph.D., a neuroscientist at Laurentian University.

## Human Body is Electric

Humans are highly susceptible to EMFs because the human body is a conductor of electricity; it allows electricity to flow through it. It also produces electricity to communicate between cells. Even the heart will not beat without this electricity. The body relies on electricity for survival, so it comes as no surprise that being affected by electromagnetic fields on a daily basis interferes with its normal functions.



Dr. Robert Becker, known as “the father of electromedicine,” spent his lifetime studying the human body and its connection to electricity. He was an incredible pioneer in this field and he even succeeded at using electricity to re-grow bones and tissues.

As early as the 1970s, Dr Becker started warning people that EMF’s are harmful to biological life and yet no one listened. *“The greatest polluting element in the earth's environment is the proliferation of electromagnetic fields. I consider that to be a far greater threat on a global scale than warming, or the increase of chemical elements in the environment,”* he wrote.

Read more on the subjects in the book *“The Body Electric: Electromagnetism And The Foundation Of Life”* by Robert Becker and Gary Selden.

## Symptoms of EMF Exposure

The medical field hasn’t substantiated ill effects from EMF, although people do experience symptoms that are sometimes distressing and even disabling, such as:

- sleep disturbances, including insomnia
- headache, dizziness
- depression and depressive symptoms
- tiredness and fatigue
- infertility
- excessive sweating
- dysesthesia (a painful, often itchy sensation)
- lack of concentration
- changes in memory
- irritability
- loss of appetite and weight loss
- restlessness and anxiety
- nausea
- allergy, flu & cold like symptoms
- skin burning and tingling

## EMF – Brain Tumors & Cancers

*“While the government has deemed RF radiation to be safe, there is no current significant research to make this claim,”* a Swedish study stated.

More than a dozen independent studies have linked EMF from cell phones and other EMF-emitting devices to increased risk for brain tumors. It has been shown that those who used a cell phone for at least 10 years had higher rates of tumors. The risk was magnified if they usually talked on the same side of the head. When they switched sides, the risk was increased by 20 percent, but when they talked on one side only, the risk increased by 200 percent!



Dr. Keith Black, the head of neurosurgery at Cedars-Sinai Medical Center, has told CNN that he believes cell phones do indeed cause cancer and that scientific research will show what he is already seeing in his patients.

*“One of the studies that is very concerning has been a story out of Europe that looked at a long-term exposure to the use of cellphones over a period of 10 years,”* he states. *“And when patients or people were exposed to over 2,000 hours of cellphone use — which is about an hour a day for 10 years — that study reported about a 3.7-fold increase in the risk of developing brain cancer.”*

When it comes to cancers, EMFs affect more than adults, children are also at risk, maybe an even bigger risk because their bodies are more vulnerable.

There has been evidence that living near power lines has been associated with higher risk of childhood leukemia, a blood cancer, and the most common cancer in children. A 2015 report by the European project ARIMMORA, after looking at the data associating leukemia with EMFs, recommended that all child centers, kindergartens, and schools be built away from high voltage power lines.

Since power lines are low-frequency EMFs, other ELF's were also classified as possible human carcinogens by WHO.

Another study has shown that EMF increase the risk of leukemia at much lower levels than the safety standard allows. A WHO report concluded, based on two pooled analyses, that at a 0.3 to 0.4  $\mu\text{T}$  EMF exposure two times more children may get leukemia than at lower exposures.

This level of exposure is not rare. For example, if a child (or an adult) sleeps with an electric blanket, they will be exposed to between 1  $\mu\text{T}$  to 2.5  $\mu\text{T}$ . A television produces a field of 2  $\mu\text{T}$ . Talking on the phone can reach a 3  $\mu\text{T}$  exposure.

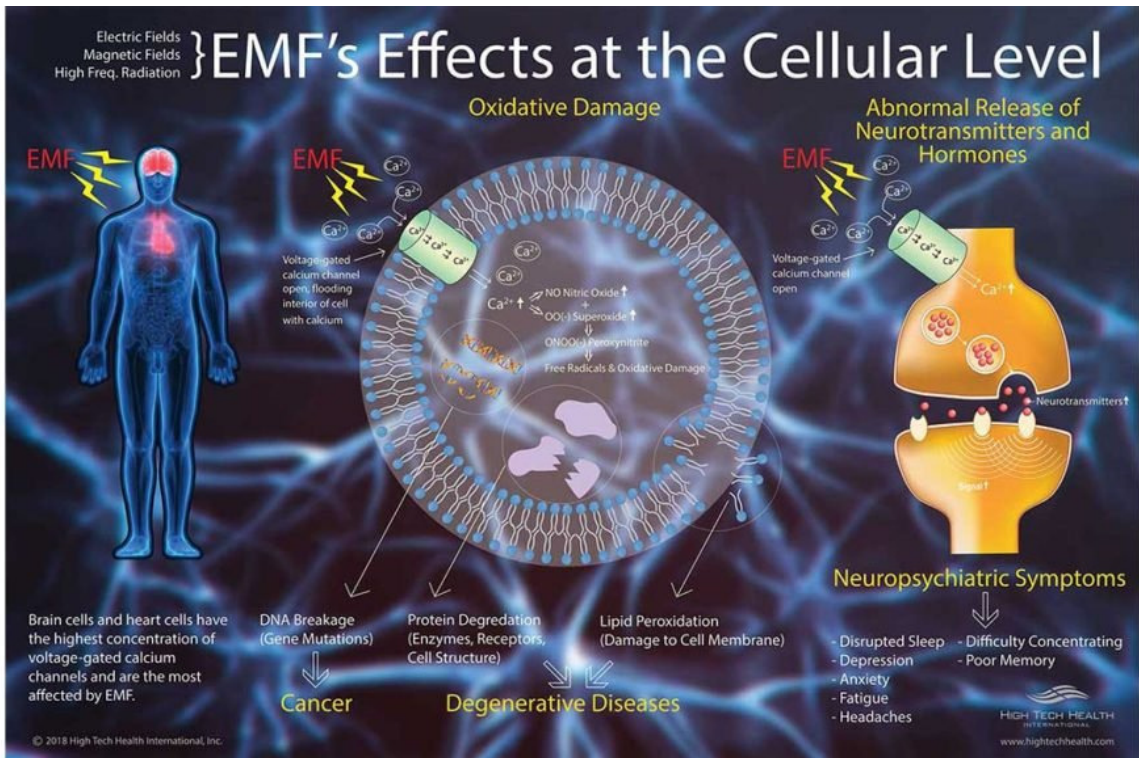
## EMF Damages DNA

DNA damage can be caused by many factors, including exposure to toxic chemicals. Current studies have provided evidence that EMF can negatively affect the genes, therefore disrupting the body's biological processes. This can not only lead to cancer but many diseases, especially chronic ones.

When the European research program called REFLEX did tests on DNA, they found significant changes in biological functions. They documented altered genes and genotoxic effects in the cells. ***“Genotoxic effects and a modified expression of numerous genes and proteins after EMF exposure could be demonstrated with great certainty,”*** the researchers found.

Most importantly, while some claim that EMFs from cell phones is too low to do harm, this research has shown that cells react negatively to RF exposure of SAR levels 0.3-2 W/kg. Most cell phones fall in between these numbers. iPhone 6, for

example, measures at 1.18 W/kg when 5mm away from the body (talking distance).



## EMF And Your Immune System

Just as EMF's can damage the cells on the DNA level, they can also mess with the immune system. When our natural defense system encounters an unwanted exposure; be it a chemical, a virus or EMFs, it sends out signals and produces responses to warn the body of the threat and get rid of it. When constantly exposed to these environmental hazards, there is a constant production of stress responses without an actual way to fix the problem. This leaves the body in a vulnerable state that leads to inflammation and a heightened risk of allergic responses. It's no wonder that Electromagnetic Hypersensitivity is sometimes referred to as EMF-allergy.

The body releases inflammatory substances to try to fight EMFs, and this can lead to allergy like reactions: skin issues and allergic hypersensitivity.

## EMF And Fertility Issues

There has been a growing concern that men carrying a cell phone in a pants pocket (without an EMF-protective case) have a lower sperm count. This has been confirmed by at least 10 different studies on humans which have shown very similar results, according to the Environmental Working Group (EWG).

All of these studies conclude that cell phones stored in pockets lead to:

- Lower sperm count
- Decreased sperm vitality
- Sperm damage
- Oxidative stress
- DNA damage

This is a growing issue as currently about 15 percent of couples of reproductive age cannot conceive, and in half of the cases it's due to fertility issues in men. A study in the Fertility and Sterility Journal found that one-quarter of the sperm stop swimming after being exposed to Wi-Fi for just four hours. ***“We speculate that keeping a laptop connected wirelessly to the internet on the lap near the testes may result in decreased male fertility,”*** researchers said.

Other studies suggest that not only carrying a cell phone but also talking on the phone lowers the sperm count. A 2005 study has shown that men who talk on the phone for longer than an hour a day have 17 percent fewer sperm than men who talk for less than 15 minutes.

There have not been good studies done to look at the reproductive health of women and cell phones, but many studies have shown how it negatively affects the fetus and its development. The American Academic of Pediatrics wrote a letter to the FCC urging them to look into the issue, saying the ***“current FCC standards do not account for the unique vulnerability and use patterns specific to pregnant women and children.”***

Children's bodies are more susceptible to any type of harm, including EMFs. They are more vulnerable than adults; therefore we need to be even more cautious

exposing children to EMFs. Some studies have suggested that in some cases ADHD and even autism can be linked to EMF exposure.

A 2008 Danish study looked at 13,000 children and their mothers' phone use, both during the mothers' pregnancies and after birth. What was found is that cell phone exposure increases the risk of emotional problems in children by 80 percent, same goes for hyperactivity and problems communicating with peers.

And when it comes to autism, some studies have also found a correlation.

A 2009 study by Dr. Dietrich Klinghardt discovered that mothers exposed to EMFs during their pregnancies and children exposed to EMFs when sleeping are both contributing (and maybe even causative) factors to neurological issues in children, including autism.

Other populations that are more vulnerable to EMFs include the elderly and people who are already sick or malnourished. Because EMFs affect the body on the cellular level, these groups of people do not have enough strength in their bodies to protect from DNA damage and inflammation. If DNA damage happens, their bodies do not have enough energy to fix the damage.

## **Geo Alchemic Protection from EMF Exposure**

Whether it's a 5G antenna, Wi-Fi, cell phone, Smart-meters used by energy companies we can't escape EMF. Still, the good news is we can do our best to insulate ourselves and loved ones against harmful EMF radiation. Every action you can take to reduce your EMF exposure can help you. Geo Alchemic EMF protective wear provides immediate protection from today's electrosmog environment.

### **Benefits Include:**

- Blood pressure normalized
- Relief from tinnitus
- Calming effect for hyperactivity
- Increased energy
- Relief from depression & anxiety
- Relief from chronic headaches
- Improved sleep
- Improved memory
- Greater sense of calm & well-being
- Relief from asthma symptoms
- Enhanced alertness
- Fewer colds and flu

## How Does Geo Alchemic Protective Wear Work?

Pure silver fabric is highly conductive and produces an electromagnetic shielding effect. When people wear Geo Alchemic protective wear, EMF signals cannot penetrate the fabric and the fabric diverts electromagnetic fields away. While it doesn't stop these fields, it does keep them away from you.

Silver fiber exhibits excellent shielding performance under high-frequency electromagnetic radiation environments. The greater the shielding effectiveness value at a certain frequency point or frequency band, the better the protection effect, which is usually 30dB (equivalent to a shielding rate of 99.9%) This is a very good shielding effect.

Using conductive materials to block the waves on which radiating energy travel is hardly new. Michael Faraday put this concept to work back in 1836 when he used energy wave-dispersing metal in the cage named after him. In similar fashion, EMF shielding fabrics are made of lightweight fabrics that have thin metallic mesh woven into them that deflect and neutralize electromagnetic energy.



## Fabric Analysis

The silver fibre radiation protection fabric is a high-tech product obtained by permanently bonding silver to a fibre surface through a special technique. This structure not only makes the silver fibre maintain the original textile property, it also gives it all the protective properties of silver. Silver fibre radiation-proof fabric is the latest radiation-proof technology in the world. It has the functions of radiation protection and is also anti-microbial, making it the ultimate and ideal fabric to use.

Silver fiber fabric has good thermal conductivity. In summer, it can quickly conduct moisture on the skin to lower body temperature; in winter, it can reflect heat to the human body to regulate body temperature to produce the best warmth.



## Geo Alchemic Beanie

The beanie is made with acrylic fiber with silver fabric inlay. Our fabric is made using pure silver which has been renowned for centuries as a purifier for food and water, a protector in the spiritual realms and now as the ultimate component in



EMF shielding fabrics. Wearing one of our hats or beanies will have an immediate effect especially if you are one of many who are sensitive to the extreme levels of electromagnetic pollution that mankind is being exposed to.

***If are you have trouble sleeping, the beanie can provide protection from EMF brain disturbing signals to enhance deep restorative sleep patterns.***

Many people report a reduction in tinnitus symptoms after a couple of weeks wearing the Go Alchemic hat. Reducing exposure to 5g, Wi-Fi, RF and other harmful EMF signals can help ensure stress levels are lessened, sleep is more restful and moods are more positive. Once you start wearing one you will rarely leave home without it!

## **Geo Alchemic Ball Cap**

The Geo Alchemic Ball Cap is made with 100% Cotton with interwoven silver fibre. This creates 99.99% shielding from various forms of EMF in the frequency range of 30 megahertz - 20 gigahertz. Protecting the human brain in these times of excessive manmade frequency generation is extremely important for general health, well being and mental health.



Silver fibre exposed to the air will naturally oxidize over time and the fabric lining may become black or yellowish as a normal phenomenon. Natural oxidation does not affect the shielding effect.

## **Cleaning Your Geo Alchemic Protective Wear**

1. Use cool water with a natural liquid detergent or powder. Gently wash by hand, avoid twisting or wringing.
2. Don't twist or wring it after washing, just pick it up from the water and gently press out the excess water.
3. Hang to dry.

*Avoid harsh chemicals and cleaning agents which can alter the EMF protective benefits.*

## **Summary**

If you are concerned about the health effects of EMF, you are not alone. EMF radiation is now considered a detrimental source of environmental pollution. It has become an invisible interferences that harms human health. The nervous system is very sensitive to the effects of electromagnetic radiation. After repeated exposure of low intensity EMF, the function of the central nervous system changes. Using products such as Geo Alchemic protective wear can be a great investment to your health and well being.

# ***Geo Alchemic EMF Protective Wear***

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