

# Nature's Sunshine's Liquid Chlorophyll

Gentle, refreshing and full of nature's goodness, make NSP's Liquid Chlorophyll or Chlorophyll Capsules part of your daily nutritional program and experience the benefits of "Nature's Green Sunshine."

## Liquid Chlorophyll bottles: (946 mL or 473 mL)

A solution supplying 15 mg (per teaspoon— 5 mL) of pure, water-soluble chlorophyllins derived from alfalfa, and delicately flavoured with natural spearmint oil.

Stock No. 1689-6 (Liquid Chlorophyll, 946 mL)

Stock No. 1580-0 (Liquid Chlorophyll, 473 mL)

## Chlorophyll Capsules

Also available in a bottle of 60 softgel capsules. Each capsule contains 50 mg of sodium copper chlorophyllin complex in soybean oil.

Stock No. 1690-7 (60 Chlorophyll Capsules)



Your Nature's Sunshine Associate:



## Nature's Sunshine Products of Canada Ltd.

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Stock# 15568-7 (15)

For Educational Purposes Only.

# Liquid Chlorophyll



*Discover the  
Power of Nature's  
'Green Sunshine'*



# Liquid Chlorophyll

*“If You’re Green Inside,  
You’re Clean Inside.”*

**N**ature’s Magic, Green Sunshine, Concentrated Sun Power, Liquid Sunshine, and the Blood of Plants are just a few of the descriptions that have been applied to chlorophyll since its discovery. And with such noble descriptions it’s no wonder that chlorophyll has attracted so much attention from biochemists and health practitioners alike.

Chlorophyll is the green pigment found in plants. Through a chemical process called photosynthesis, the chlorophyll molecule harnesses the sun’s energy in order to perform various metabolic functions. As such, photosynthesis is the essential life-sustaining process carried out by the entire green-plant kingdom.

When we humans ingest chlorophyll, we also benefit from this energy. In fact, science has discovered that chlorophyll is molecularly similar in composition to the red pigment in human blood (hemoglobin), with one exception being its centre atom is magnesium instead of iron.

Most of the chlorophyll we ingest comes from leafy green vegetables like spinach, kale, broccoli, lettuce, etc. Other sources are from sea vegetables (spirulina, chlorella) and herbs like alfalfa and barley grass. However, to get more chlorophyll in our diets, science developed a process that extracts chlorophyll from plants by exchanging the centre magnesium atom with copper/sodium, transforming it into a water-soluble derivative known as chlorophyllin. Chlorophyllin contains much of the nutritional value of raw chlorophyll, but is more easily absorbed. And for this reason it has been used extensively in health and medical research with outstanding results.

## Nature’s ‘Green Sunshine’: Chlorophyll’s Many Health Benefits

Since chlorophyll’s discovery and the later extracting of chlorophyllin, medical science and the health industry put quick use to its many health benefits.

From toothpaste, chewing gum, antifungal insoles, deodorants, wound-healing ointments to nutritional supplements, the uses and benefits of chlorophyllin are numerous.

As a nutritional supplement, chlorophyllin has been extensively researched for its detoxification, antioxidant, antimutagenic, and tonic properties.

### Protection against mutagens/carcinogens\*

Testing for more than 20 years has established chlorophyllin as an antimutagenic/anticarcinogenic agent able to quench major free radicals, such as the superoxide radical, hydrogen peroxide, singlet oxygen, and even the most dangerous reactive hydroxyl radical and this at very low doses.

“Taking chlorophyll chlorophyllin or eating green vegetables, like spinach, that are rich in chlorophyll may be a practical way of reducing the risk of liver cancer and other cancers caused by environmental triggers.”—Thomas Kensler, PhD.

“Chlorophyllin had an ability to bind or ‘sandwich’ certain classes of chemical mutagens and carcinogens. These included polyaromatic hydrocarbons found in tobacco smoke, some heterocyclic amines (cooked meat mutagens), and aflatoxin chemicals suspected or known to cause human lung, colon, or liver cancer.”—George S. Bailey, Ph.D. OSU Distinguished Professor, Department of Environmental and Molecular Toxicology

“The risk of liver, colon, stomach, and lung cancer which include the leading causes of cancer death in the US and the world, may easily be cut in half by appropriate daily intake of simple, safe, inexpensive chlorophyll derivatives.”—Dr. Richard C. Heimsch

The Linus Pauling Institute and Department of Environmental and Molecular Toxicology, Oregon State University found chlorophyllin as effective as green tea catechins in combating mutagens and carcinogens in the colon.

It is speculated that chlorophyllin’s antimutagenic and anticarcinogenic mechanisms are a combination of antioxidant activity and

the formation of complexes that bind to and inactivate mutagens/carcinogens.

Chlorophyllin’s antioxidant properties also fight inflammation, a major contributor to conditions such as cancer, heart disease and arthritis.

\*Source: Johns Hopkins University Bloomberg School Of Public Health

### Detoxification/antiseptic/antiodour

Chlorophyllin supports the detoxification pathways and aids in neutralizing and eliminating toxins from body tissue. It helps heal chronic conditions internally and externally.

It fights bacteria and fungal buildup in the colon and body tissue. It has been used by hospitals to reduce the odour of fecal matter, urine and foul body odour.

As an antiseptic it can be used to clean stubborn wounds, kill infections, heal abscesses and skin eruptions. Used as a mouth rinse it is effective against gum diseases and helps maintain oral health and eliminate bad breath.

As a gargle, chlorophyllin can soothe sore throats and help fight throat infections.

Chlorophyllin aids in relieving digestive disorders, ulcers, constipation and diarrhea. It is a beneficial tonic to help tone the entire digestive system.

### Builds the blood/oxygen transport/energy enhancement

Chlorophyllin, the derivative of chlorophyll used in Liquid Chlorophyll, has a centre atom of copper. Copper is an efficient transporter of oxygen much like iron in human blood. Chlorophyllin, therefore, helps transport oxygen to body tissue. It is also said to help ‘build’ or improve the health of human blood to aid in conditions such as anemia.

Athletes have found that chlorophyllin helps them to maintain endurance and shortens recovery time.

### Immune system support

Chlorophyllins help strengthen and thicken the walls of the cells of animals. In so doing it helps maintain cell health and increases resistance to invading pathogens