

FulvicSure™ & HumicSure™



Description

FulvicSure™ and **HumicSure™** is GCI Nutrients' latest biologically active humic substance so-called 'organo-mineral complexes' containing more than 70 micronutrients in biologically uptakable form. According to double Noble-Prize chemist Dr. Linus Pauling "all illnesses of a living system can be related to the deficiency of certain micronutrients". The deficiency of minerals and micronutrients block the function of enzymes and vitamins responsible for transforming nutrients into energy and biochemical building molecules. Analysis of living systems proved that more than 70 micronutrients should be continuously present and the ratio of these 70+ elements are just as important as their numbers.

The best solution for complexation were developed by nature by the formation of humic substances (humic and fulvic acids). **FulvicSure™** and **HumicSure™** are humic and fulvic acids made up of organic complex forming molecules are capable of penetrating the cell membrane and stimulating the uptake of life essential minerals. Moreover these molecules stimulate the energy production and immunity of cells and play an important role detoxifying our body. Humic substances are forming during the decomposition pathway of plant biomass in hundreds of thousands and millions of years (plant, peat, lignite, brown coal, black coal, diamond). **FulvicSure™** and **HumicSure™** originating from one of the best known humic substance source called Leonardite found in the heart of Europe in Hungary.

Fulvic acid is the smallest fraction of the humic substances, soluble in acidic and also in alcalic liquids (pH=2-14). Fulvic acid is biologically one of the most active substances, referred to as an electron transfer catalyst and known for its antiviral activity. It is fulvic acid that has the intelligent chelation capability of detoxifying the cells. Pure Fulvic Acid has the benefit of increasing the efficacy of certain other substances, such as Coenzyme Q10.

Humic acid is a bigger molecule than fulvic acid and has a similar structure and biological and chelation activity as fulvic acid. Humic acid is soluble between pH levels 7 and 14. Humic acid cannot be absorbed from the intestinal tract but plays a very important role in buffering the pH, in the absorption matrix preventing the absorption of toxins, bacteria stimulation matrix, and nutrient uptake matrix. In short, Pure Humic Acid is very effective at cleansing the colon, where the Humic acid blocks the absorption of toxic materials into the body.

FulvicSure™ is a 70-30 ratio fulvic-humic acid and **HumicSure™** is a 60-40 ratio humic-fulvic acid product. However, GCI Nutrients can work with any ratios from 100% pure fulvic to 100% humic and based on the ratio of Fulvic Acid to Humic Acid that optimally meets the specific requirements of functionality.

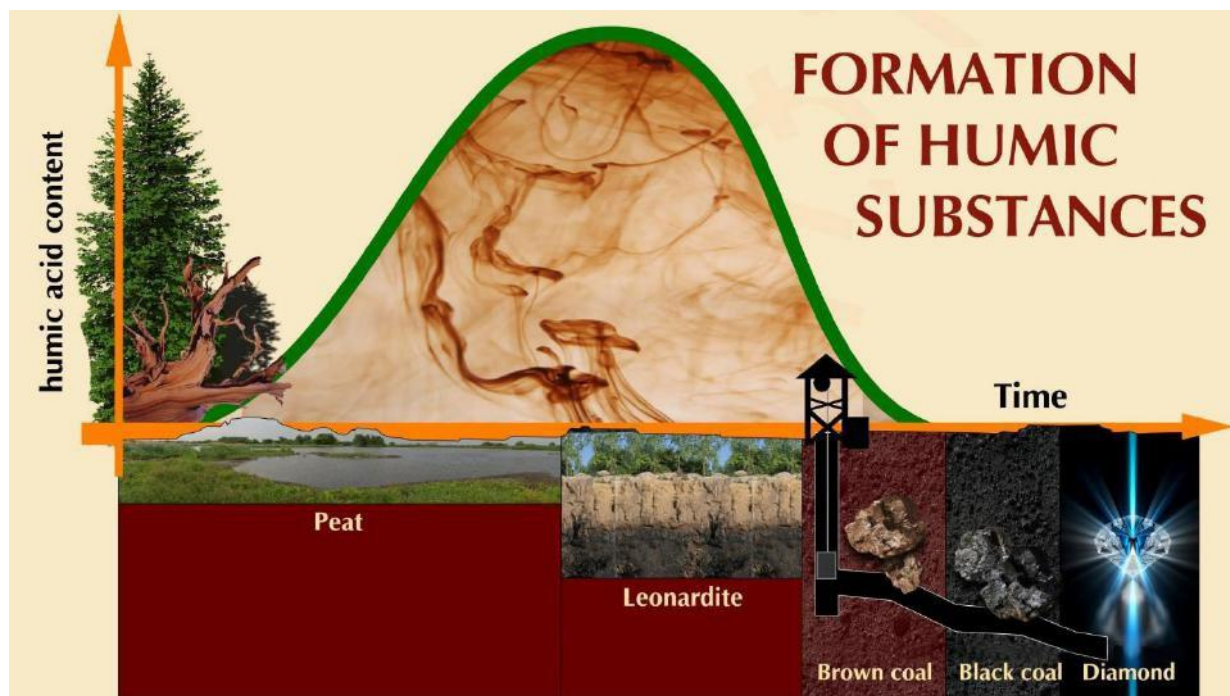
Benefits - FulvicSure™ and HumicSure™ helps to:

- Supply the body with more than 70 biologically active organo-mineral complex micronutrient Enter the cell membrane and effectively bond and inactivate free radicals
- Bond and inactivate organic toxins such as medicine and antibiotic residues, pesticide residues, Teflon as well as inorganic toxic heavy metals such as aluminum, mercury, lead, and radioactive elements
- Stimulate enzyme activity and transform nutrients into energy and biochemical building molecules

Applications - Recommended dose:

- 2x 150mg daily dose in dietary supplements
- 150mg per serving in functional foods and drinks

Contact us today for current pricing, availability, and more information about this products.



BRIEF DESCRIPTION OF THE HUMIFICATION PROCESS

Humic substances are the biological-chemical-geological decomposition products of the living plant origin matter on the Earth. Humus (soil-peat-coal) is the most relevant decomposition product of living matter. This decomposition process is also referred to as 'humification' and the main substances are Humic and Fulvic Acid. These well-defined chemical structure molecules are also categorized as organic-complex-forming molecules and are the intermediate product of decay of the living matter. This humification process happens over a million years and can be defined as Pre-, Peak-, and Over-Humification states!

DIFFERENT STAGES OF THE HUMIFICATION PROCESS

PRE-HUMIFICATION stage: In PEAT the organo-complex-forming molecules of the 70+ macronutrients present are at the beginning stages (not yet completely formed by nature) and means that many of the minerals are not fully bioavailable for our body.

PEAK-HUMIFICATION stage: In LEONARDITE the organo-complex-forming molecules are fully formed and are fully bioavailable for our body which means the 70+ macronutrients are capable of entering the cell membrane and utilized by our body.

OVER-HUMIFICATION stage: In BROWN COAL the organo-complex-formation is stopped and started to decomposing the organic matter and the organo-mineral complexes.

DIFFERENT SOURCES OF HUMIC SUBSTANCES

LEONARDITE:

Leonardite is mined 4-6 meters deep under the soil. It is practically a sterile raw material. It was formed some millions of years ago, when there was no environmental contamination. Leonardite is totally humified plant biomass. The total humic substance content is 50-80%.

PEAT:

Peat is an open surface area covered with water. The humification process is not finished yet. Some parts of the organic matter are not humified yet. It may be contaminated from air pollution and also from the opened water surface (birds, other animals, insects, agriculture). The total humic substance content is 30-60%.

SHILAJIT

Plant and algae origin biomass found in the mountains of inner-Asia. The origin is not yet clearly defined. Probably these deposits were peat-lands million of years ago. The climatic changes caused the so called mumification of these peat-lands. For example in Russia the name is "mumio". Shilajit is not a sterile source and is contaminated with environmental pollution and contains several non-humic waxes and resins. The total humic substance content is 40-60%.

Source of information:

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Member of the International Humic Society

President of the Chemical Chapter of the Hungarian Peat Society