



SaproLife™ is certified according to EC no 889/2008, annex I (European Union) and USDA/NOP-Final rule (USA) no 205.105(b) for the use in organic agriculture.

## TECHNICAL DATA SHEET

**Product type:** 100% organic soil improver and fertilizer «Sapropeat»

**Trade mark/Trade name:** SaproLife

**Producer:** Volynsaprofos LLC, Ukraine

**Sales Company/Supplier:** Ukrainian Organics LLC

**Address of Sales Company/Supplier:** 16b Anna Akhmatova str., off. 222, Kyiv, Ukraine

**Product composition:** 80% sapropel, 20% purified peat.

**Organic certification:** EC 889/2008 by BCS OKO Garantie.

**Storage conditions:** -4 +50 °C. Keep away from direct sunlight

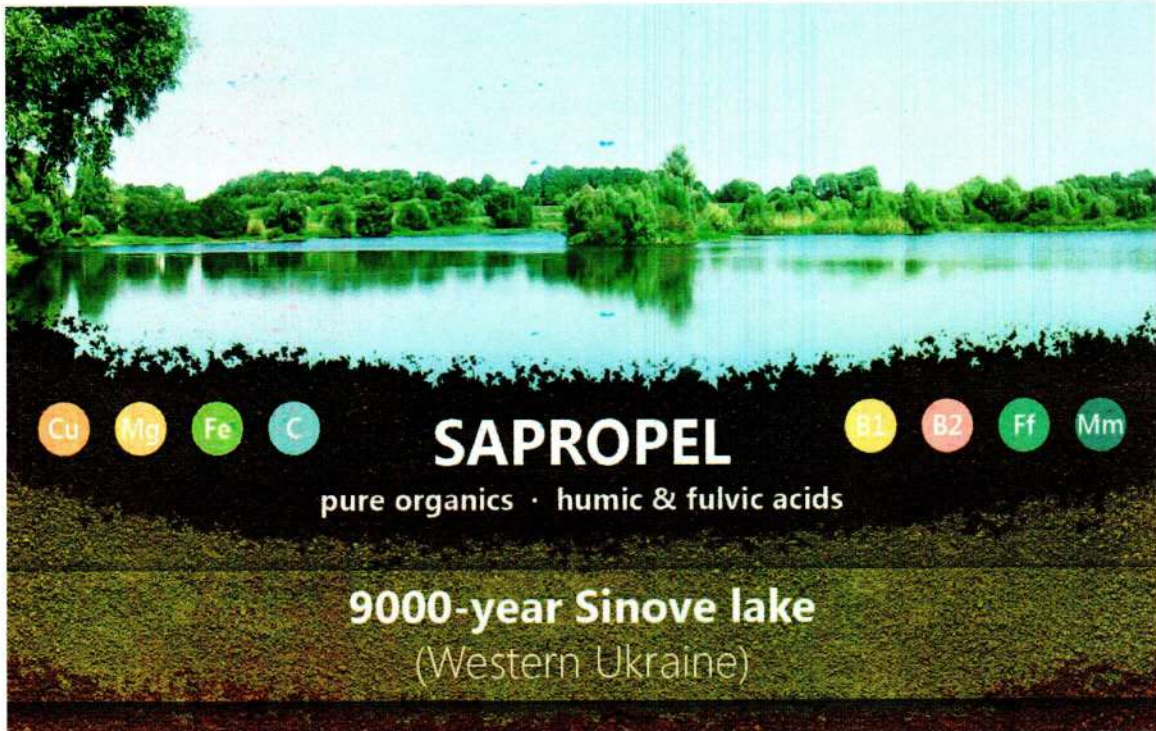
**Safety instructions:** The Product is absolutely friendly for human beings, animals and environment. Not flammable.

COMPOSITION AND USEFUL ELEMENTS		
Quality Characteristics	Actual content on dry matter	
	%	g/kg
Moisture content	67,44	-
Mass fraction of dry matter	32,56	325,60
Mass fraction of organic matter	61,00	610,00
Mass fraction of total carbon, C tot.	26,86	268,60
Mass fraction of humic acids	5,29	52,90
Mass fraction of fulvic acids	5,44	54,40
Mass fraction of total nitrogen, N	2,49	24,90
Mass fraction of total phosphorus, P <sub>2</sub> O <sub>5</sub>	0,29	2,90
Mass fraction of total potassium, K <sub>2</sub> O	0,12	1,20
Mass fraction of calcium, Ca, g/kg		10,40
Mass fraction of magnesium, Mg, g/kg		1,22
Mass fraction of iron, Fe, mg/kg		13170,00
Mass fraction of cobalt, Co, mg/kg		33,40
Mass fraction of cuprum, Cu, mg/kg		19,50
Mass fraction of manganese, Mn, mg/kg		356,40
Mass fraction of nickel, Ni, mg/kg		3,70
Mass fraction of zinc, Zn, mg/kg		26,80
pH		7,50

## GENERAL APPLICATION

<p><b>FOR FARMING:</b></p> <p>OPEN FIELDS: 1,000 kg - 3,000 kg / 1ha - application 1 time in 2-3 years</p> <p>GREENHOUSES:  “open implantation”: 300 kg - 500 kg / 1ha - application 1 time in 2-3 years  “implantation in plastic bags”: mix 1:10 (1 part of SaproLife and 10 parts of peat moss)</p>	<p>Benefits:</p> <ul style="list-style-type: none"> <li>• 100% organic</li> <li>• increasing of harvest up to 80% in poor sandy soils</li> <li>• long lasting performance - up to 10 years</li> <li>• slightly better taste and look of harvested crop</li> <li>• tangible reducing of watering expenses (helps to keep the water in the soil)</li> <li>• increasing of humus in the soil (changes the structure of the soil)</li> <li>• activating of N-P-K elements in the soil (boost effect)</li> <li>• increasing of shelf life of the crop x3 (keeps the crop fresh much longer)</li> <li>• increasing of vitamins and micro elements (ex.: up to +30% of vitamin C)</li> </ul>
<p><b>FOR PLANT NURSERIES:</b></p> <p>SEEDLING / FLOWERS IN POT / PLANTS:  mix 1:10 (1 part of SaproLife and 10 parts of peat moss)</p>	<p>Benefits:</p> <ul style="list-style-type: none"> <li>• 100% organic</li> <li>• dramatical increasing of plant life x4 (transporting from nursery to final location during 10 days - safely)</li> <li>• tangible increasing of plant immunity (humid and fulvic acids inside)</li> <li>• boost growing effect for all types of plants and flowers</li> <li>• without smell, environmentally friendly</li> <li>• long lasting performance (during years)</li> </ul>
<p><b>FOR LANDSCAPING:</b></p> <p>GRASS GROWING:  mix 1:7 (1 part of SaproLife and 7 parts of peat moss)</p> <p>TREES AND BUSHES: 1:5 in hole (1 part of SaproLife and 5 parts of local soil)</p>	<p>Benefits:</p> <ul style="list-style-type: none"> <li>• 100% organic</li> <li>• tangible reducing of watering expenses (helps to keep the water in the soil)</li> <li>• without smell, environmentally friendly</li> <li>• long lasting performance (during years)</li> <li>• increasing of humus in the soil (changes the structure of the soil)</li> </ul>
<p><b>FOR HOME AND GARDENING:</b></p> <p>GRASS GROWING:  mix 3-5 kg of SaproLife with local topsoil / 1m<sup>2</sup></p> <p>TREES AND BUSHES:  1:5 in hole (1 part of SaproLife and 5 parts of local soil)</p> <p>FLOWERS IN POT / INDOOR PLANTS:  mix 1:5 (1 part of SaproLife and 5 parts of peat moss)</p>	<p>Benefits:</p> <ul style="list-style-type: none"> <li>• 100% organic</li> <li>• great black color of the soil</li> <li>• boost growing effect for all types of plants and flowers</li> <li>• without smell, environmentally friendly</li> </ul>

## ORIGIN OF THE ORGANIC MATTER



The origin of organic matter is Sapropel.

Sapropel is the bottom deposits of fresh water bodies, is extracted from the unique Sinove Lake (9000-year- old lake) in Western Ukraine in ecologically clean area far away from civilization. Content and characteristics of sapropels from various deposits are very different and depend on the productivity of the water body, characteristics of the aboveground water flow and climatic conditions. It is generally accepted that sapropels are freshwater sediments with concentration of organic matter above 10%; otherwise these sediments are regarded as highly ashy lake sediments. There are 3 classes of sapropel: Class C (10-30% of organics), Class B (31-59% of organics) and Class A (60-92% of organics). Sapropel from Sinove lake (Western Ukraine) has got organic content between 61% and 90% and has been recognized as “class A” sapropel, the rarest.

Meanwhile sapropel, despite its great advantage over peat due to its superior agrochemical characteristics, has not been widely used because of numerous difficulties connected with its mining and processing. Because of successful cooperation with German engineers our factory has been renovated to ISO-standard production facility. Based on cutting-edge German technologies sapropel is mined nowadays from the bottom of the lake and is successfully transformed into a free running 100% organic fertilizer – SaproLife.

<http://ukrorganics.com>

Director of Ukrainian Organics LLC  
Gnechko O.S.

