

## **Material Safety Data Sheet for Natural Power Products**

### **GENERAL INFORMATION**

*Product Name:*       **Advanced Natural Power Final Solution**  
*Date revised:*       20-08-2009  
*Manufactured by:*   Advanced Hydroponics of Holland B.V.  
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**Advanced Natural Power Final Solution** stimulates the reproductive growth of fruits and vegetables and can be used for increasing bacterial soil life.

**Advanced Natural Power Final Solution** is not a fertilizer, it is a so-called biostimulant. It does not contain micro-organisms. At very low concentrations, biostimulants improve essential biochemical processes in plant and soil, thus improving plant growth and resistance to stress. Biostimulants are thus not a replacement for fertilizers, dung or other sources of minerals, they just allow the plant to perform better. This cold extracted product is not amended with minerals like many other 'green' extracts and thus it contains mainly organic compounds like aminoacids, enzymes, auxins, cytokinins, gibberellins, betaines, alginates, various sugars, etc.

**Advanced Natural Power Final Solution** is a multi-compound extract derived from several seaweed-species enriched with complexed carbohydrates. The extract especially serves to increase the flow of assimilates to ripening fruits and vegetables resulting in a better fill rate and thus in higher yields. Applied to the soil, **Advanced Natural Power Final Solution** is a real initiator of bacterial soil life. Soil bacteria are essential to maintain healthy soils.

In the Netherlands, **Advanced Natural Power Final Solution** is successfully used in professional intensive indoors and outdoors horticulture (vegetables, fruits, bulbs, flowers).

### **Ingredients**

Extracts from several seaweed species amended with complexed carbohydrates.

**Physical state**

Finely filtered solutions with pH 4.5 - 5.5

**Function**

To increase reproductive growth and yields

To stimulate and maintain soil bacteria.

**Application methods**

Spraying or application through irrigation systems

**Application interval**

Bi-weekly during the reproductive growth phase for increasing reproductive growth bi-weekly during the entire growth phase for soil maintenance.

**Dosage**

Foliar application: first application 10-20 L/ha, following applications 5 L/ha

Irrigation system: first application 20 L/ha, following applications 10 L/ha.

**Package**

0,25 / 0,5 / 1 and 5 Litre bottles/can

**Storage**

As this is a 100% natural product, storability is strongly reduced once the can is opened

Guaranteed analysis **Advanced Natural Power Final Solution** in a 1:2 CaCl<sub>2</sub> extract

<b>Ec (mS/cm)</b>	10 – 12
<b>pH-KCl</b>	4,5 – 5,5

	mmol/l	μmol/l	mg/l	μg/l
<b>NH<sub>4</sub></b>	4.9		88	
<b>NO<sub>3</sub></b>	0.4		25	
<b>P</b>	1.03		32	
<b>K</b>	34.2		1337	
<b>Ca</b>	3.2		128	
<b>Mg</b>	1.6		39	
<b>SO<sub>4</sub></b>	80.3		7714	
<b>Fe</b>		44		2457
<b>Mn</b>		13		714
<b>Zn</b>		11		719
<b>B</b>		37		400
<b>Cu</b>		2.9		184
<b>Mo</b>		0.1		10
<b>Si</b>	0.24		7	
<b>HCO<sub>3</sub></b>	45.3		5514	
<b>Na</b>	31.0		1000	
<b>Cl</b>	10.2		386	

**Legislation:**

**All compounds in this product are allowed for use in organic agriculture according EU regulation 2092/91 Annex II**