

## Material Safety Data Sheet for Natural Power Products

### GENERAL INFORMATION

*Product Name:* **Advanced Natural Power Enzymes+**  
*Date revised:* 20-08-2009  
*Manufactured by:* Advanced Hydroponics of Holland B.V.  
Oosteinderweg 303-B  
1432 AW Aalsmeer  
The Netherlands  
info@advancedhydro.com

**Advanced Natural Power Enzymes+** stimulates the mineralisation in soil or substrate by decomposing resistant soil elements into organic nutrients ready for plant uptake.

**Advanced Natural Power Enzymes+** 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 Enzymes+** is a multi-compound extract derived from several seaweed-species enriched with extracts of the non-GMO fungus *Aspergillus aculeatus*. Regular use of the product results in a rich and diverse soil food chain, which is essential to obtain a disease suppressing soil.

In the Netherlands, **Advanced Natural Power Enzymes+** is successfully used in professional intensive indoors and outdoors horticulture (vegetables, fruits, bulbs, flowers), on recreation areas (golf, soccer, parks) and in normal and landscape gardens.

**Ingredients**

Extracts from several edible seaweed species  
Extracts from *Aspergillus aculeatus*

**Physical state**

Finely filtered solutions with pH 4.5 - 5.5

**Function**

To increase the strength and resistance of crops  
To enhance the turnover of resilient soil elements  
To stimulate the build-up of a disease resistant soil

**Application methods**

Spraying or application through irrigation systems

**Application interval**

Bi-weekly during the vegetative growth phase

**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 Enzymes+** in a 1:2 CaCl<sub>2</sub> extract

<b>Ec (mS/cm)</b>	4.5 – 5.5
<b>pH-KCl</b>	4,5 – 5,5

	mmol/l	μmol/ l	mg/l	μg/l
<b>NH<sub>4</sub></b>	0.8		14	
<b>NO<sub>3</sub></b>	1.0		62	
<b>P</b>	0.77		24	
<b>K</b>	10.9		426	
<b>Ca</b>	3.1		124	
<b>Mg</b>	2.4		58	
<b>SO<sub>4</sub></b>	50.9		4890	
<b>Fe</b>		42		2346
<b>Mn</b>		10		549
<b>Zn</b>		13		850
<b>B</b>		92		995
<b>Cu</b>		2.1		133
<b>Mo</b>		0.1		10
<b>Si</b>	0.26		7	
<b>HCO<sub>3</sub></b>	45.3		2763	
<b>Na</b>	31.0		713	
<b>Cl</b>	10.2		362	

**Legislation:**

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