

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.
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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 CaCl₂ extract

Ec (mS/cm)	4.5 – 5.5
pH-KCl	4,5 – 5,5

	mmol/l	μmol/l	mg/l	μg/l
NH₄	0.8		14	
NO₃	1.0		62	
P	0.77		24	
K	10.9		426	
Ca	3.1		124	
Mg	2.4		58	
SO₄	50.9		4890	
Fe		42		2346
Mn		10		549
Zn		13		850
B		92		995
Cu		2.1		133
Mo		0.1		10
Si	0.26		7	
HCO₃	45.3		2763	
Na	31.0		713	
Cl	10.2		362	

Legislation:

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