

NEPh SAS

Siret 443 485 933 00016

Code APE 511R

N.I. FR88443485933

Z.I. Les Trois Moulins
319 Rue des Lamberts
F-06600 Antibes Sophia Antipolis

Tel: +33 (0)4 9721 2420

Fax: +33 (0)4 9333 5013

URL: www.neph-france.com

e-mail: contact@neph-france.com

product_information@neph-france.com

order_processing@neph-france.com

E-LINE
Environment

ADVANTAGES

Wastewater

Drastic reduction of smell, BOD₅,
COD, ammonia and surface crust

Hydrocarbons & solvents

Treatment of wastewaters of
industrial origin like tanneries, paint
factories, weaving factories, mills,
paper & pulps industries, oil
polluted mud and terrains

Garbage & Composting

Degradation of organic substances,
mud, with effective smell reduction,
safer percolates, reduced volumes
giving extra 20-30% lifespan to a
dump



NEPh New Ecological Philosophy

Out of its Antibes Sophia Antipolis headquarters NEPh produces the best mixtures based on bacteria and enzymes for utilization in the following fields:

- Agriculture
- Ecology
- Zoo-technics

NEPh, with its products for ecology and environment, offers a natural and economical alternative.

E-LINE
Environment

Environment Product Line Technology And Concept

For the treatment of wastewater, garbage and compost NEPH has fine-tuned a specific technology, capable of transforming in the fastest possible way complex organic substances into much simpler ones that become then easier to assimilate.

E-LINE FOR GARBAGE & COMPOSTING is a mixture of natural components, enzymes, natural modifiers, Algae Lithothamnium Calcareum, zeolytes, fungi and oligomineral catalyzer liquids that activate and strengthen the humic elements and the biocatalyzers which are responsible, when active, of degrading complex substances.

With the constant use of E-LINE FOR GARBAGE & COMPOSTING in a composting plant, one can optimize the biomass activity, achieving the reduction of foul smell, the control of coli-bacteria, the elimination of insects via the biological action and the quick reduction of the mass that needs processing.

For waste water treatment, NEPH has conceived specific technologies, one for civil wastewater treatment plants called E-LINE FOR WASTEWATER and one for industrial wastewater called E-LINE FOR HYDROCARBONS & SOLVENTS, that, while strengthening the biomass, increase the effectiveness, the efficiency and the overall performance of the treatment plant.

E-LINE FOR WASTEWATER is a mixture of natural components (enzymes, lipoproteic substances and natural extracts) dynamized with complementary activities which speeds up the oxidizing and deodorizing processes in the treatment plant, reducing drastically the values of BOD and COD at the outlet.

With the constant utilization of E-LINE FOR WASTEWATER, one can reinstate and stabilize in the treatment plant the biological activity, the reduction of ammonia exhalations, a balanced pH, the elimination of colibacteria, the dissolution of organic crusts, the reduction in mass of mud and its transformation in humus, and a consistent electric power saving.

E-LINE FOR HYDROCARBONS & SOLVENTS is a mixture of aerobic and anaerobic bacteria based florae, derived from spontaneous fermentation, especially prepared for targeting the treatment of industrial wastewater and for other environments (e.g. soil, mud) polluted with oil, grease, solvents or other hydrocarbons.

E-LINE FOR HYDROCARBONS & SOLVENTS enhances all those natural activities geared towards the decay of complex substances into simple elements: the various colonies of microorganisms, helped by organic hydrolytic catalyzers, are capable of being active in their desegregation of complex substances at a wide range of pH.

E-LINE For Wastewaters

PRODUCT

It is a dry and homogeneous product, in the form of granules, derived from the fermentation of natural and spontaneous microorganisms. It contains strong concentrations of enzymes as well as the families of bacteria families producing them. It contains a high concentration of lipases which help to catalyze the degradation of fats and animal or vegetal oils.

PURPOSE

Production of strong concentrations of enzymes for wastewaters processing, thanks to groups of selected bacteria and to hydrolytic enzymes.

MAIN ELEMENTS

Bacillus cereus, Lecitinase, Nucleotidase, Citase, Diastase, Esterase, Gentianase, Melezitase, Invertase, Glicerophosphatase, Maltase, Treholase, Melibiase, Amigdalase, Urease, Guanease, Adenase, Nuclease, Shardiger enzyme, Phenolase, Tirossidase, Cellulase, Bacillus licheniformis, Beta glucanase, Protease, Xantoxidase, Uricase, Zimase, Carbonates, Silicates, etc.

E-LINE For Hydrocarbons & Solvents

PRODUCT

It is a dry and homogeneous product, in the form of granules, derived from the fermentation of natural and spontaneous aerobic, facultative and anaerobic microorganisms. This mixture is adapted for contaminated areas by hydrocarbons and their by-products, by heavy metals, by solvents, coloring and dyeing agents, etc.

PURPOSE

Production of strong concentrations of enzymes able to split complex substances into simple ones. Thanks to the strong concentration of hydrolytic organic catalysts, colonies of microorganisms become active at an extremely wide range of pH. (Optimal activity for a pH

included between 7 and 10.5, average activity for a pH included between 3.5 and 13).

MAIN ELEMENTS

Aspergillus orizae – Nucleotidase – Urease – Phenolase – Lipase – Cellulase – Protease – Nocardia – Humic Acids – Fulvic Acids – Lipoprotéins – Tripsina – Phosphorilase – Fransaminase – Pectidiase – Zeolytes - Carbonates – Silicates – etc.

E-LINE For Garbage & Composting

PRODUCT

It is a dry and homogeneous product, in the form of granules, derived from the fermentation of natural and spontaneous microorganisms. It contains strong concentrations of enzymes as well as the families of bacteria families producing them. It contains 5 families of microorganisms helping to degrade the organic substance. Furthermore it contains a strong concentration of lipases which help to catalyze the degradation of fats and animal or vegetal oils.

PURPOSE

Production of strong concentrations of enzymes for the garbage processing thanks to groups of selected bacteria and to hydrolytic enzymes. Moreover, due to the strong concentration of lipases and proteases, it is recommended for situations where we have a substantial accumulation of animal or vegetal fats and oils.

MAIN ELEMENTS

Bacillus subtilis, Alpha-Amilase, Lactase, Lipase, Nucleotidase, Citase, Diastase, Inulase, Gumase, Esterase, Gentianase, Melezitase, Invertase, Maltase, Treholase, Melibiase, Amigdalase, Phenolase, Tirossidase, Hemi-cellulase, Bacillus licheniformis, Beta-glucanase, Protease, Caseina, Carbonates, Silicates, etc.