



# NUTROMEX® NP

Macro Nutrients for  
Bio-Wastewater Treatment

In biological wastewater systems, micro-organisms metabolise the soluble pollution, producing carbon dioxide, water and more micro-organisms (sludge).

To do this, with optimum efficiency, the micro-organisms need a balanced diet that contains the correct ratios of mineral nutrients. Nutritionally, most wastewaters are unbalanced particularly in Nitrogen (N) and Phosphorus (P).

Omex Environmental has developed the **NUTROMEX® NP** range of solutions designed to optimise biological activity in both AEROBIC and ANAEROBIC wastewater treatment plants.

The **NUTROMEX® NP** range consists of;

#### **NUTROMEX 100 Series**

A range of Nitrogen and Phosphorus blends. The normal ratio for aerobic plants with no N or P input is 5:1 but all ratios from 100%N to 100%P can be provided to optimise plant performance.

#### **NUTROMEX PLUS 200 Series**

A range of N and P nutrients combined with fully bio-available trace elements to provide a complete balanced nutritional feed.

#### **NUTROMEX SALTS 400 Series**

This series provide Ca, Mg, Na and K cations where they are lacking in an industrial treatment system.

#### **NUTROMEX SALTS 600 Series**

As above but with bio-available trace elements. Used specifically for condensates being treated anaerobically.

#### **NUTROMEX EXTRA PP 900 Series**

A blend of soluble carbohydrates, N, P, trace nutrients and essential cations. This *super* food product is used to augment COD in start ups, over shutdowns and during recovery from toxic shock .



**KEY BENEFITS OF NUTROMEX® NP**

FOR THE USER	
<b>SINGLE PREMIXED SOLUTION</b>	Simplifies handling and dosing. Also requires single tank storage only .
<b>NON HAZARDOUS</b>	PH neutral, safe to use. Avoids the need to have hazardous chemicals (Phosphoric Acid) on site.
<b>CONTROLLABLE</b>	Precise Dosing. Custom designed N and P mixes possible. Outlet residuals more stable.
<b>ECONOMIC</b>	Less administrative, handling, dosing, storage and safety costs.

**FOR THE PROCESS**

- Optimal COD and BOD removal
- Minimised solids loss
- Stable operation
- Minimised fluctuations in N and P outlet

**BACK UP SERVICE**

- Macro and Micro nutrient profiling to establish the optimum **NUTROMEX® NP** solution for your individual needs.
- Microbiological analysis and reporting.
- Advice on process optimisation.

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