A LEAP IN BIOGAS PLANT EFFICIENCY
Deuto-Clear® Sulfo for quality and service.

Deuto-Clear® Sulfo
GREATLY IMPROVES THE QUALITY OF BIOGAS AND DIGESTATE
REMOVES HYDROGEN SULPHIDE AND AMMONIA FROM DIGESTION PROCESS
REDUCES EMISSIONS TO A MINIMUM
Deuto-Clear® Sulfo
COMPONENTS AND ACTIVE SUBSTANCES

Deuto-Clear® Sulfo is a ready-to-use solution containing metal salts and trace elements. It improves the performance of your biogas plant and its dosage will be adjusted to fit the specific needs of your digester. Deuto-Clear® Sulfo features a broad range of trace elements, minerals, and other agents to improve the quality and stability of the digestate.

Deuto-Clear® Sulfo – HOW DOES IT WORK?

Deuto-Clear® Sulfo removes hydrogen sulphide and ammonia gas from the digestate and adds nutritious trace elements and minerals to produce a healthy and productive environment for anaerobic bacteria.

- Homogenisation of fermentation substrate
- Quality of fertiliser is improved as ammonium and sulphur compounds are bound in the digestate
- No longer necessary to dose with oxygen to convert H2S.
Deuto-Clear® Sulfo — ADVANTAGES

EFFICIENT CONVERSION OF FEEDSTOCK TO BIOGAS

The regular use of Deuto-Clear® Sulfo improves the quality and quantity of your biogas output. Deuto-Clear® Sulfo removes hydrogen sulphide and ammonia from the digestion medium. This supports the growth of microorganisms, by limiting the effect of H2S, facilitating the conversion of volatile organic acids to methane. You will be able to save feedstock! Deuto-Clear® Sulfo also alters the pH-value to between 7.3 and 7.8 - even for nitrogenous feedstock such as chicken waste - which is optimal for methane bacteria. Undesirable kinds of fermentation are therefore prevented. In addition, the use of Deuto-Clear® Sulfo contributes substantially to the quality and stability of the fermentation substrate, which in turn reduces viscosity and improves the availability of nutrients for microorganisms.

PROTECTS BIOGAS PLANT EQUIPMENT

The use of Deuto-Clear® Sulfo avoids corrosion from oxidation of the engine and the exhaust gas heat exchanger of a power plant. You can therefore prolong the intervals between oil and filter changes without violating the operating conditions of the manufacturers. Installing expensive physical and chemical scrubbing systems is avoided because Deuto-Clear® Sulfo eliminates sulphur. This product reduces ammonia in the raw biogas, thus preventing high temperatures in the engine and exhaust, avoids wear and tear of the engine, and reduces NOx emissions.

REDUCES EMISSIONS AND IMPROVES THE FERTILISER

Deuto-Clear® Sulfo boosts the nitrogen and sulphur content of the sludge - greatly improving agricultural productivity! The phosphoric content of the sludge also remains intact, which improves its usability as fertilizer. Furthermore, ammonia emissions are reduced when the fertiliser is spread on the fields, thus reducing total emissions of the biogas plant. The improved homogenity of the sludge reduces wear and tear of spreading machines and even the leaves of the plants will be protected as the sludge will just run off.

SUPPORTS FEEDING BIOGAS INTO THE NATURAL GAS GRID

Deuto-Clear® Sulfo helps to produce very good quality raw biogas, producing the perfect conditions for upgrading for natural gas-grid injection downstream.

+ REDUCES EMISSIONS TO A MINIMUM
+ ELIMINATES BAD SMELLS MAKING NEIGHBOURS HAPPY AND SATISFYING AUTHORITIES
+ DIGESTATE AUTHORIZED FOR USE IN ORGANIC AGRICULTURE
+ SUPPORTS NATURAL GAS-GRID INJECTION
Deuto-Clear® Sulfo – USE

Deuto-Clear® Sulfo uses an automated self feed technology, which controls the amounts and times the product is dispensed into the process. Depending on the design of your plant, the dosing system can be connected to the substrate line, the digester or the preliminary tank. The exact dosage depends on the amount and character of your feedstock. We offer a comprehensive after sales service, where our technicians will help you to define the best dosage.

Contact Us

Please contact us if you have any questions or would like further information about our ready-to-use solution Deuto-Clear® Sulfo. Our highly experienced team will gladly answer any questions and will advise you on how best to improve the efficiency of your biogas plant.

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OUR ANIMAL HYGIENE PRODUCTS WILL MAKE A DIFFERENCE IN YOUR SHEDS

**Deuto-Mix®**
A general use bedding powder for sheds

**Deuto-Mix® Super**
Finely ground bedding powder featuring silica, minerals and calcium compounds recommended for hard surfaces

**Deuto-Mix® Extra**
Low-dust bedding powder featuring silica, minerals and calcium compounds to be used with spreading equipment

**Deuto-Cal®**
A natural product of calcium compounds and anti-slip minerals used as a dry foot bath

**Deuto-Speed® Green**
Liquid foot bath for cattle, sheep and goats

**Deuto-Dip® Yellow**
A ready-to-use dip for manually disinfecting teats and keeping them healthy

Our animal hygiene products do not leave any residues, which could interfere with anaerobic digestion, making them suitable for biogas plants.