

# DESULPHURISATION *Range*

## Raw materials that help:

1. Reducing the concentration of hydrogen sulphide in biogas, thereby preventing any damage to the cogenerator's mechanical components.
2. Preventing the inhibition of the biological process and optimising iron concentrations in the fermenter

### METHO S

Designed to reduce hydrogen sulphide in biogas

- It prevents damage to the cogenerator's mechanical components
- It prevents the inhibition of the biological process and optimises iron concentrations in the fermenter.

Recommended for plants requiring high amounts of iron to stabilise biology and reduce H<sub>2</sub>S in average times.

**Composition:** Iron oxide (Fe<sub>2</sub>O<sub>3</sub>)

**Storage:** Store indoors in a cool, dry and ventilated place, keeping the packaging intact

**Packaging:** 25 kg BIO packaging (Pallet: 1250 kg)

Analitics data	Value	U.M.
Fe <sub>2</sub> O <sub>3</sub>	97	%
SiO <sub>2</sub>	1,3	%
Al <sub>2</sub> O <sub>3</sub>	0,9	%
CaO	0,05	%
MgO	0,05	%
TiO <sub>2</sub>	0,04	%
K <sub>2</sub> O	0,01	%
Na <sub>2</sub> O	0,01	%

### METHO S PLUS

Powdery iron hydroxide-based reagent designed to quickly reduce H<sub>2</sub>S in biogas plants

- It prevents damage to the cogenerator's mechanical components.
- It prevents the inhibition of the biological process and optimises iron concentrations in the fermenter.

Composition [FeO(OH)]			
Iron content (Fe <sup>3+</sup> )	35-40	%	referred to dry matter
DM content	> 80		
Colour	Red/Brown		
Physical state	Powder	%	
Particle size	0-2	mm	
Density	1000 ± 80	g/l	Dissolved with about 80% dm

### Composition:

powdered iron hydroxide [FeO(OH)]

**Storage:** Store indoors in a cool, dry and ventilated place, keeping the packaging intact

**Packaging:** 20 kg BIO packaging (Pallet: 1000 kg)

Heavy metal content		
Heavy metal	Chemical symbol	Content [mg/kg DM]
Arsenic	As	< 80
Lead	Pb	< 50
Cadmium	Cd	< 1.0
Chromium	Cr	< 20
Chromium (VI)	Cr	< 1.0
Copper	Cu	< 20
Nickel	Ni	< 100
Mercury	Hg	< 0.4
Zinc	Zn	< 500
Thallium	Tl	< 0.4

# DESULPHURISATION *Range*

## **Metho Filter**

A range of products for filtering the biogas and remove hydrogen sulphide and other naturally-occurring impurities (silicates, oxalates, etc.)

- It prevents damage to the cogenerator's mechanical components.
- It extends oil change intervals in the cogenerator
- Scope of use: Can be used in all ordinary activated charcoal absorbers.  
2-8 mm and 5-25 mm pellets with a filtering capacity +20% higher than normal activated charcoal filters
- 5-25 mm pellets to form a filtering bed at the filter inlet (approx. 30%)
- 2-8 mm pellets with high filtering capacity (approx. 70%)

**Packaging:** 30 kg bag (Pallet: 510 kg)



### ***Methodo Chemicals is Positive Energy***

Established in the '80s as a company  
SELLING raw materials and additives for the animal feed  
and dietary supplement industries.

### ***During the '90s***

the company built its PRODUCTION plant for making  
premixes and complementary feed.

### ***Today, METHODO***

is putting its 30 years of experience in the nutrition sector  
at your service to create a range of supplements that optimise  
the anaerobic digestion process in BIOGAS plants.



FORMULATION, MANUFACTURING  
OF COMPLEMENTARY FEEDS  
AND PREMIXES TRADING  
OF FEED MATERIALS  
AND FEED ADDITIVES

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