



PENTOL

## TECHNICAL DATA SHEET – PentoMag 4100

### PRODUCT DESCRIPTION AND POSSIBLE APPLICATIONS

<b>Description:</b>	mixture of magnesium and iron compounds in organic carrier substance
<b>Intended use:</b>	combustion optimisation in fuel oil fired power plants
<b>Suitable for:</b>	fuel oil fired boilers
<b>Handling methods:</b>	direct dosing into fuel oil storage tank or pipeline or injection into combustion chamber
<b>Advantages:</b>	<ul style="list-style-type: none"><li>• enhanced combustion and, thus, maximum reduction of unburned carbon</li><li>• prevents deposits in the flue gas duct</li><li>• reduces SO<sub>3</sub> in flue gas</li><li>• reduces high and low temperature corrosion</li></ul>
<b>Packing sizes:</b>	steel drum (220 kg) / semibulk (1000 kg) / bulk (up to 20 t)

### ANALYSIS

<b>Active ingredients:</b>	> 310 g/l (magnesium, iron and powerful asphaltene dispersants)
<b>Density at 20 °C:</b>	> 0.97 g/cm <sup>3</sup>
<b>Viscosity at 20 °C:</b>	< 200 cP (static, Brookfield)
<b>pH at 20 °C:</b>	n. a.
<b>Colour:</b>	brown
<b>Odour:</b>	gasoil odour
<b>Melting point/range:</b>	n. d. a.
<b>Flash point:</b>	> 70 °C (closed cup)

### INSTRUCTIONS FOR USE

<b>General notes:</b>	Please respect safety data sheet and instructions for use.
<b>Application:</b>	Injection into fuel oil storage tank or pipeline or into burning chamber. Normal injection rate: 100 to 400 ppm, depending on boiler design, boiler load and fuel oil quality.
<b>Additional notes:</b>	The data in this data sheet have been determined with utmost care. However, recommendations are made without guarantee since conditions of use are beyond our control.

### REMARKS ON DANGERS AND SAFETY PRECAUTIONS

<b>General notes:</b>	The user is responsible for the compliance with legal regulations. In case of improper use, Pentol disclaims liability for possible damages.
<b>Classification:</b>	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (gasoil), 9 III Xn (harmful) / N (dangerous for the environment)
<b>Protective equipment:</b>	Wear suitable gloves and eye/face protection according to safety data sheet.
<b>Remarks on storage:</b>	Store product in tightly closed original container and inaccessible for unauthorised persons. Make sure that storing area is furnished with good aeration and a floor coating which is adapted to the components. Store in accordance with national and regional regulations! Protect from heat and sunlight. Ensure grounding or conductive connection of tanks and devices in contact with product. Store under cool and dry conditions. Shelf life: min. 12 months, sedimented product (if any) can be stirred up.
<b>Disposal:</b>	Untreated product must not be lead into sewerage system.

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