

# COAL MINING INDUSTRY

Proven Chemistries with Measurable Results



- Productivity and Profitability Improvements
- Environmental and Regulatory Compliance
- Utility Treatment and Asset Protection

# Innovative Solutions for Coal Mining Industry

Over the course of nine decades, Solenis has developed a comprehensive portfolio of products and services for industrial operations and have earned a reputation for delivering innovative products that address customer needs.

Through our Customer Value Assurance process we continuously strive to better understand and anticipate customer challenges and then consult with them to develop

solutions that deliver real value. Our goal is to help improve our customer's business performance by implementing, maximizing and measuring the impact of the value solutions we deliver.

Solenis offers innovative chemistries and equipment technologies for the coal mining industry that allow customers to improve their operational efficiencies, to comply with regulatory requirements and to protect their equipment assets.

## Process Solutions

Solenis offers a broad array of process treatment technologies to help meet the wide-ranging needs of coal producers globally.

CUSTOMER NEEDS	TYPICAL APPLICATIONS	SOLENIS WATER TREATMENT SOLUTIONS
Productivity & Profitability Improvements	<ul style="list-style-type: none"> <li>Flotation Reagents</li> <li>Thickening and Clarification</li> <li>Filtration and Dewatering</li> <li>Chemical Feed and Control</li> </ul>	<b>Flotation Reagents</b> <ul style="list-style-type: none"> <li>Zalta™ CM collectors and frothers</li> </ul> <b>Thickening and Clarification</b> <ul style="list-style-type: none"> <li>Zalta™ MF flocculants</li> <li>Zalta™ MC coagulants</li> </ul> <b>Filtration and Dewatering</b> <ul style="list-style-type: none"> <li>Zalta™ MF filtration and dewatering aids</li> </ul>
Environmental & Regulatory Compliance	<ul style="list-style-type: none"> <li>Waste Minimization</li> <li>Water Reuse</li> <li>Wastewater Treatment</li> <li>Dust Suppression</li> </ul>	<b>Monitoring and Control Systems</b> <ul style="list-style-type: none"> <li>OnGuard™ i controller</li> <li>OnGuard™ OnLine data management software</li> </ul> <b>Dust Suppression</b> <ul style="list-style-type: none"> <li>Zalta™ DS dust suppression additives</li> </ul>
Utility Treatments & Asset Protection	<ul style="list-style-type: none"> <li>Corrosion and Scale Control</li> <li>Cooling and Boiler Water Treatment</li> </ul>	<b>Utility Corrosion and Deposit Control</b> <ul style="list-style-type: none"> <li>PerforMax™ deposit/corrosion inhibitors</li> <li>Generox™, Sonoxide™ and Biosperse™ microbiological control additives</li> </ul> <b>Foam Control</b> <ul style="list-style-type: none"> <li>Drewplus™ defoamers</li> </ul>

## Knowledge and Expertise

Solenis is dedicated to helping the coal mining industry operate more efficiently and profitably. Achieving these goals requires innovative chemistries and technologies. More importantly, it requires extensive knowledge and expertise, not only of coal prep operations but also of the individual needs of a particular plant and its operating environment.

Working side by side with your plant personnel, your Solenis technical representative becomes familiar with your operation and applies this knowledge to design a total system approach tailored to your needs. Supporting your technical representative is a dedicated team of applications specialists

who are knowledgeable in chemistry, metallurgy, engineering, microbiology, and water treatment. These applications experts troubleshoot problems and specify best practices.

Armed with the right products and a complete understanding of your process, our technical representatives and applications specialists are uniquely positioned to help you establish new benchmarks for your operation. Whether your objective is to improve process throughput, to reduce costs, or to comply with a regulatory requirement, you can count on our team to provide a cost-effective solution that exceeds your expectations.

## More Information

To learn more, contact your technical sales representative or visit us online.

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