

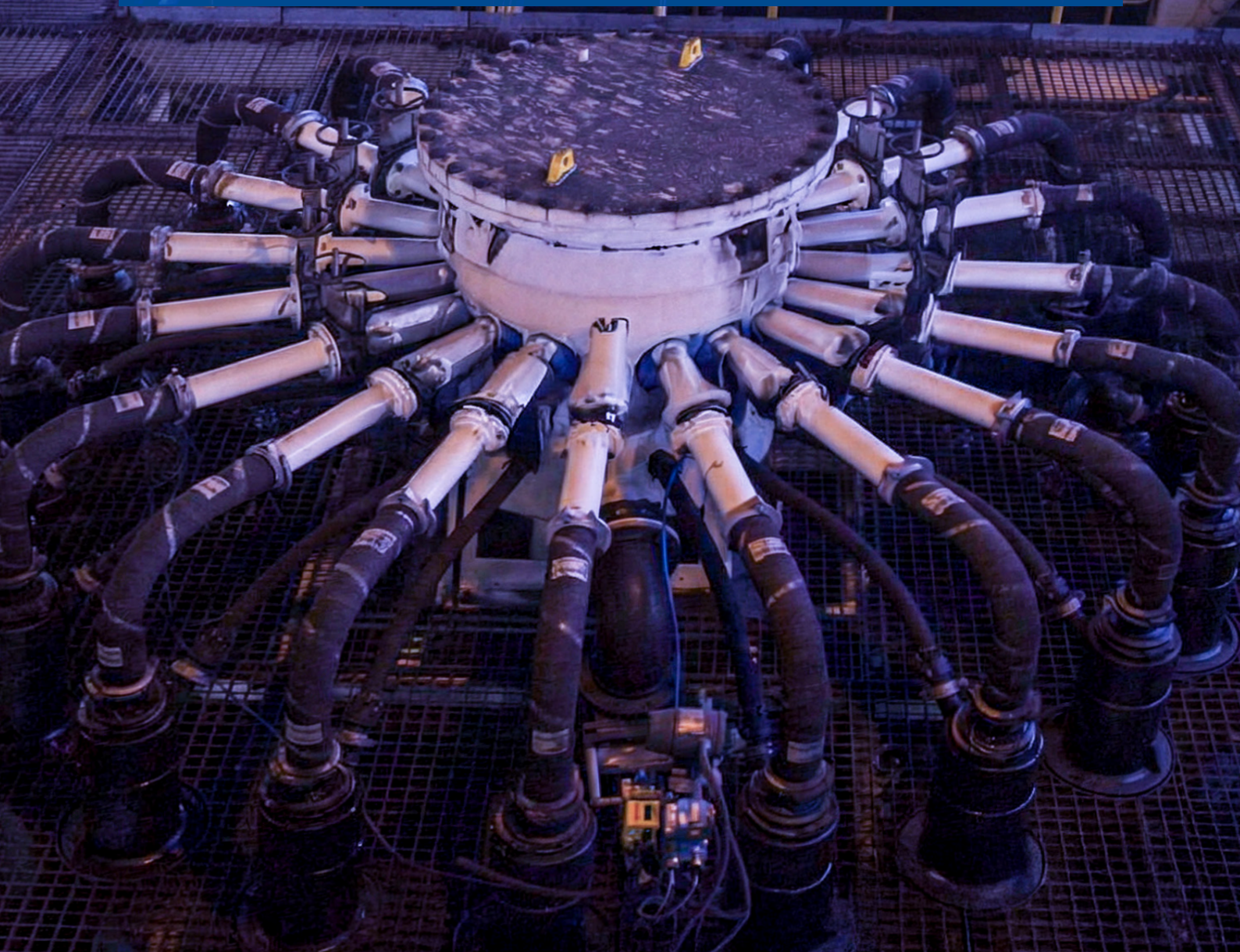
LUBRICANTS.
TECHNOLOGY.
PEOPLE.



FUCHS SPECIAL APPLICATIONS

High-Performance Flotation Reagents for Coal Processing

MOVING YOUR WORLD



FUCHS Lubricants delivers advanced, technology-driven solutions engineered specifically for demanding Australian conditions. Our customised flotation reagents are formulated using the latest chemical innovations to maximise coal recovery, process stability and overall plant performance. Complemented by cutting-edge lubricant technologies, we help protect critical equipment operating in Australia's harsh climates, from extreme temperatures to dust and moisture. By integrating high-performance reagents with robust lubrication systems, FUCHS supports higher uptime, extended component life and consistent productivity, even in remote or challenging sites. Local technical expertise, backed by global R&D, ensures our solutions meet the stringent operational, safety and environmental requirements of Australian coal operations.

Frothers

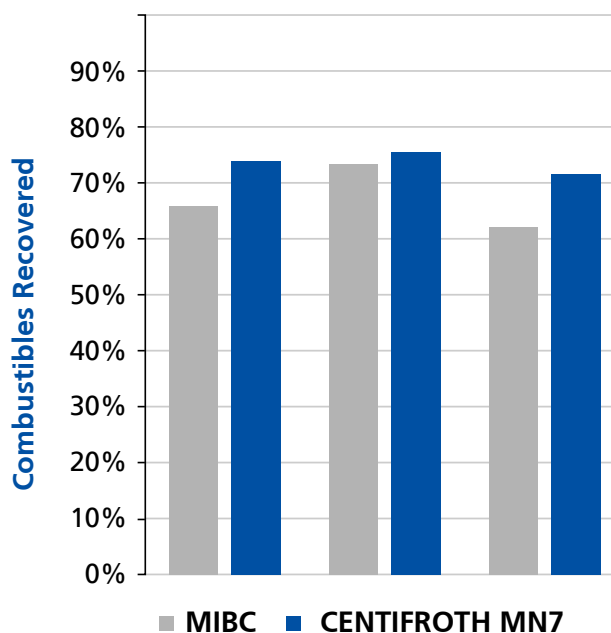
Benefits of CENTIFROTH

FUCHS Lubricants have a rich history of formulating and supplying flotation reagents. Our goal is to work alongside our customers to facilitate a solution that is unique to your requirements.

The key areas frothers act on the flotation process are bubble coalescence and size, induction time and froth stability.

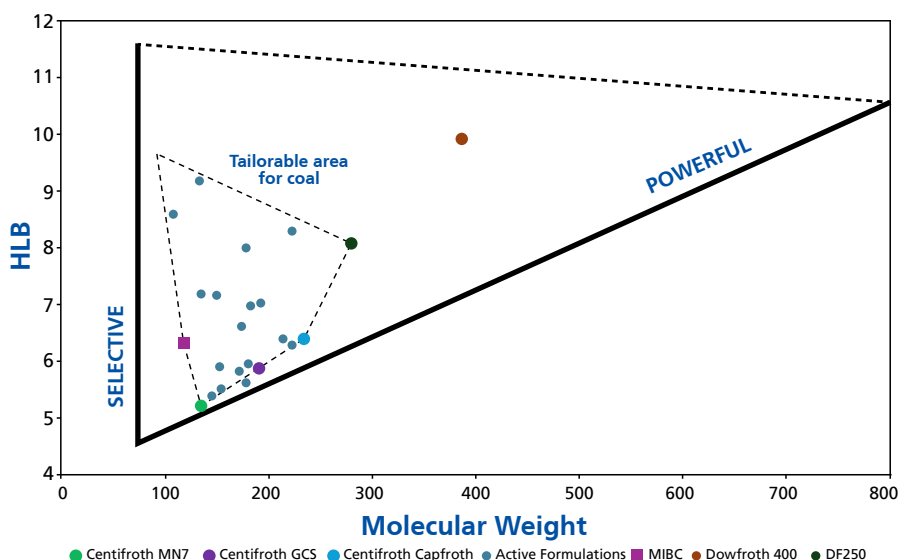
Leveraging our extensive selection of raw materials and our expansive R&D capabilities we can tailor make a frother solution that provides the best balance of properties for individual CHPP's.

This allows for key parameters, such as, Yield, Ash and Moisture to be optimized, which flows through to operating revenue.



Safety & Handling

Our CENTIFROTH products are formulated with safety in mind. All products meet a minimum Cat. 4 flammability rating, reducing costs associated with handling and storing dangerous goods, which can be significant in the context of operational spend.





Collectors

Benefits of CENTICOL

While coal particles are naturally hydrophobic a collector is typically employed in commercial flotation circuits to increase recovery and improve kinetics.

Diesel is commonly used as it is low cost and readily available on site. However, its efficacy decreases significantly for coals with lower natural floatability, associated with the coal rank, maceral group or oxidation.

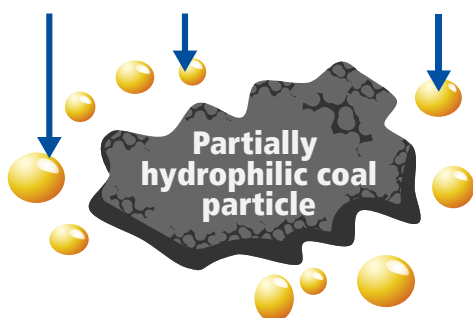
Utilizing specialised formulations allows for tailoring collectors which have a high affinity for the surfaces of coal at a specific site. Improved dispersibility of a tailored collector also provides advantages in dose efficiency, reducing treatment costs and complexity for site operations.

In addition to allowing CHPP's to target the most profitable location on operational grade/recovery curves our range of collectors offer improved froth break down characteristics often solving customers residual frothing issues in downstream plant operations.

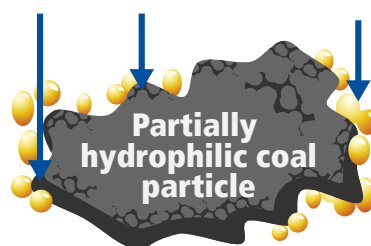
Safety & Handling

Our CENTICOL products offer higher flash points than diesel and can be formulated to be free of any aromatic compounds reducing the hazard profile and odour in the plant.

Diesel is unable to wet coal surface



Formulated collectors render the coal surface hydrophobic



FUCHS Lubricants

Technical Service & Supply Chain



Service Offering

FUCHS offers a locally based servicing and technical support network for its flotation customers. This is comprised of an account management team located at customer locations and a technical team and flotation laboratory in Beresfield, NSW. This comprehensive network offers customers 24/7 support on everything from standard items and advanced technical support.

- Flotation circuit servicing
- Stock queries
- Reagent screening
- Flotation circuit auditing
- Cell optimization through gas hold up evaluations

Supply Chain

FUCHS operates a comprehensive bulk supply chain covering NSW and QLD mining locations. Offering un-paralleled expertise in bulk transport.

Full vendor management of customer reagent inventories is carried out ensuring supply reliability.

In addition to this our state of the art production facility located in Beresfield, NSW offers local manufacturing capability. This allows for increased operational flexibility and quality.



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