



# Captive®

RECOVERY AGENTS FOR MINING



## Capturing More, Using Less.

One of the biggest challenges in mining is maximizing output while also minimizing the use of valuable resources — especially water. Naturally, we want to protect the health of our water sources. At the same time, it is a critical and potentially costly part of operations.

Arclin offers a suite of products that can help your company maximize recovery rates and minimize the costs of cleaning and reusing water in mining operations.

**Captive® Clay Blinder for Potash Beneficiating** has been engineered for specific ore bodies, attaching to even the finest particles of clay and sand and removing them quickly and efficiently from valuable mined materials. Our innovative blinder compensates for the limitations of standard technology and equipment, providing better outcomes for business and the environment. In fact, it can enable more than 95% material recovery. Plus, Arclin clay blinder:

- Works with a variety of flotation methods, including traditional, mechanical, column and diffuse air systems
- Improves recovery and reduces chemical costs per ton, compared to guar gum
- Offers different formulations for maximum efficiency
- Provides extended pot life and storage stability of up to four months, significantly reducing waste, fresh water usage and manpower
- Resists microbial attack

**Captive® Flocculants** enable effective wastewater processing that can lower costs, allow better ore recovery and ensure compliance with environmental regulations. Arclin's synthetic polymer flocculant helps boost the action of polyacrylamides in separating clay and other particles from water in mining operations. In settling ponds, water thickeners and clarifiers, Arclin's nonionic flocculant:

- Enhances performance of both anionic and cationic flocculants with a nonionic system
- Significantly reduces fresh water usage, increasing product yield, eliminating waste and lowering costs
- Improves water clarity
- Provides better settling rates

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**Captive® Depressants** are chemicals designed specifically to enable reverse flotation of certain ores, like iron, and for the flotation of other types of ores, including coal and phosphates. The right depressant in the right place can not only enhance the recovery of ores but also can ensure better quality products, such as iron ore used in steel production. Arclin depressants:

- Increase product yield and eliminate waste
- Ensure high quality ore product, including lower-ash coal
- Reduce loss of phosphate values in flotation processes
- Improve efficiency of flotation separation for many different mineral ores

Available in the U.S and Canada from 

For inquiries and orders: **877.689.9145**

Product information at [www.arclin.com](http://www.arclin.com)

## E-Gen® » Sustainability Applied


Arclin applies its proprietary **E-Gen®** designation only to its products that are expressly engineered to meet or exceed existing product performance standards **and** to reduce manufacturing and downstream environmental impact.

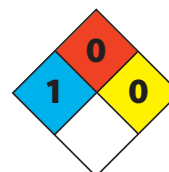
### Binding Technology

Arclin continues its drive to apply our innovative binding technologies to address complex product performance and environmental challenges.

Our portfolio of recovery agents is among the latest applications of our expertise, improving product yield and reducing the use of natural resources.

### Arclin's full suite of chemical applications for mining:

Captive® Recovery Agents  
DustCap® Dust Suppressants  
 DustCap® Rail Car Side Release  
Water & Oil Demulsifiers



Specify

  
**E-Gen®**