

Contact your Nalco Water sales representative to find out more about our flotation range or other products used across your mineral processing operations.

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- [FLOCCULANTS AND COAGULANTS](#)
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- [DUST CONTROL AND MATERIALS HANDLING](#)
- [TAILINGS MANAGEMENT SOLUTIONS](#)



Sulfide Flotation Programs

Flotation is the heart of your business.

Trust it to someone with the commitment to achieving the best performance for the lowest operational cost.

Nalco Water, an Ecolab Company

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Asia Pacific: 2 International Business Park • #02-20 The Strategy Tower 2 • Singapore 609930

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Nalco Water: Flotation Experts Dedicated to Service

With more than 30 years in the mining industry, Nalco Water combines experience with innovation. We aren't content to let good be good enough. We leverage our global capabilities and our commitment to research and development to ensure you keep performing at the highest level—while staying cost-effective.

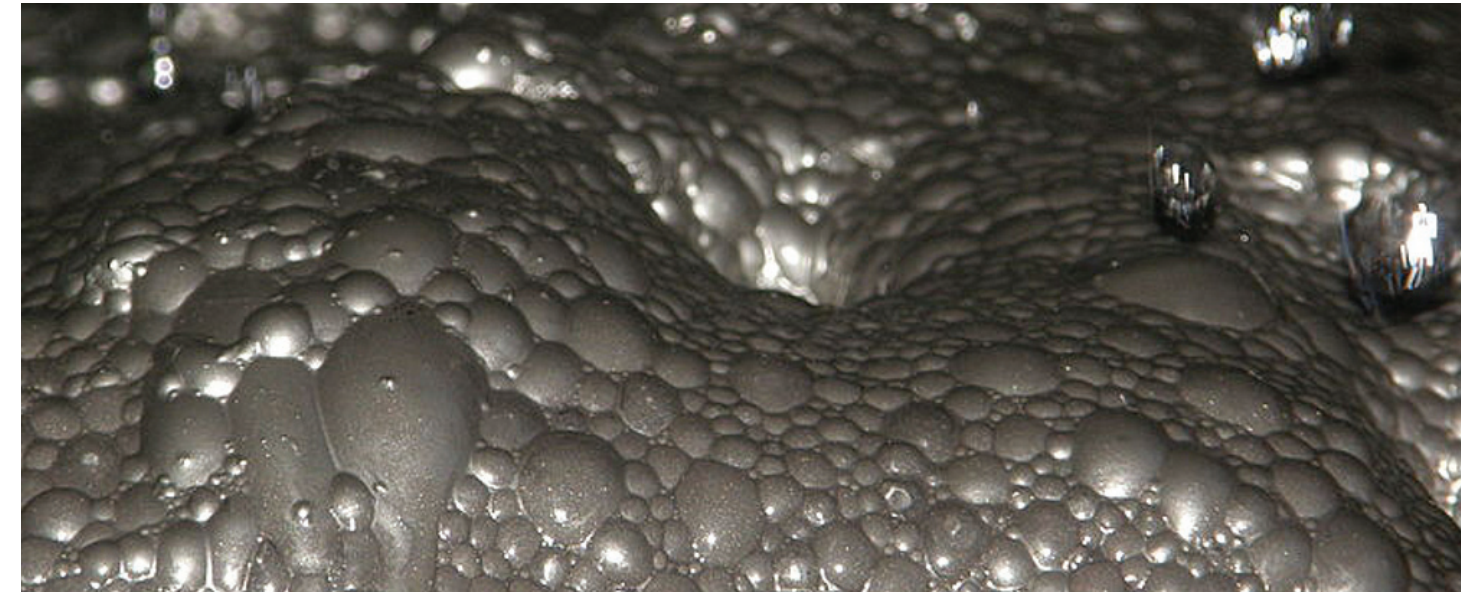
- Our global network of formulation laboratories and industry technical consultants allows us to work with your site's specific needs and identify the right product to suit your individual requirements.
- Our local on-site engineers will work with you to continually improve your process and maintain the production gains.
- Our leading chemistries and innovations cross the entire mining industry and span the entirety of your site. Our understanding of the flotation process—the heart of your operation—enables us to bring you our two newest flotation innovations.

Collect-Ore™ Sulfide Metal Flotation Collectors

Nalco Water's Collect-Ore™ product line is designed to be effective across a wide range of complex sulfide ores, including copper, molybdenum, gold, nickel, lead and zinc, providing significantly improved recovery and selectivity.

- Enhance valuable mineral recovery
- Improve concentrate grades
- Increase flotation kinetics
- Optimize reagent performance

SERIES	DESCRIPTION
Collect-Ore™ C100 Series High-Strength Collectors	Replace or supplement xanthate collectors in the flotation of metallic sulfide-based minerals. These high-power collectors offer enhanced recoveries over conventional collectors
Collect-Ore™ C200 Series: Water-Soluble Collectors	Our C200 collectors are designed to improved selectivity against conventional collectors with the added advantage dosing flexibility and rapid reactivity delivered by water-solubility.
Collect-Ore™ C300 Series: Molybdenum Collectors	Our molybdenum collectors are especially suited to the flotation of copper-molybdenum ores minerals that allow for enhanced recovery in the molybdenum circuit and improved concentrate grades.
Collect-Ore™ C400 Series: Formulated Collectors	Our C400 series of collectors contain specialized formulations designed to improve flotation performance either individually or in conjunction with xanthate-based collectors.



FrothPro™ Mineral Flotation Frothers

Nalco Water's FrothPro™ product line offers a wide range of alcohol- and glycol-based products and combinations that allow you to optimize your flotation conditions to achieve optimal performance.

The frothers work to create smaller, more stable bubbles to maximize mineral attachment, prevent coalescence and maintain mobility. Finding the right frother for your plant involves balancing the strength to support the maximum particle load, while maintaining mobility to maximize your mass recovery rate. The FrothPro product line strikes that balance.

Nalco Water's trained field engineers are committed to providing on-site assistance to implement the right flotation program to help your mine meet production goals. Talk to your representative to learn more.

SERIES	DESCRIPTION
FrothPro™ 500 Series: High-mobility frothers	For high mobility and maximized throughput on conventional flotation cells, the FrothPro 500 series of frothers are formulated to cost-effectively boost flotation performance and deliver a fine, stable bubble size to maximize mineral capture.
FrothPro™ 600 Series: Heavy-lifting frothers	Our FrothPro 600 series of frothers are designed to have enhanced bubble strength for better lifting and carrying power to improve coarse particle recovery in systems with coarser grinds or long retention times.
FrothPro™ 700 Series: Glycol-based frothers	The FrothPro 700 series consists of our range of high-performance, glycol-based frothers that boast maximum carrying capacity, and can be used either individually, or as an enhancer to an existing alcohol-based program.
Formulated Blends	Nalco Water's experts have worked to formulate a range of blended products aimed at solving some of the industry's known challenges. Contact our experts to find out more