



Mining Solutions

Flotation Reagents

 **BASF**
We create chemistry

BASF Mining Solutions at a glance

BASF's Mining Solutions business offers a diverse range of chemicals and technologies for mineral processing to improve process efficiencies and aid the economical extraction of valuable resources.

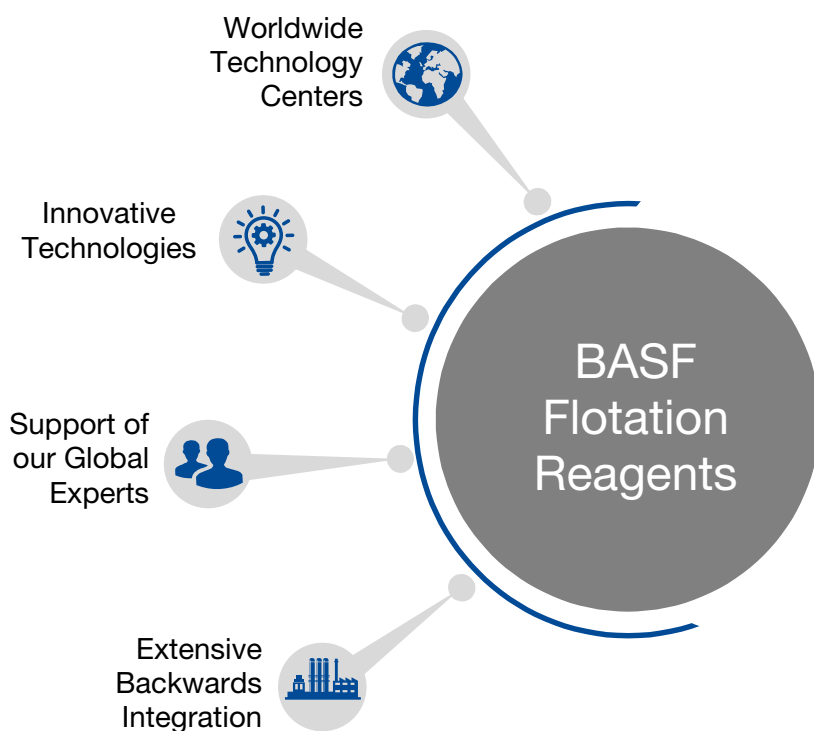
We offer our products and technology solutions to the global mineral processing industry along with expert advice and technical support. Our global team is driven by a common goal to provide the best sustainable solution to meet our customers' processing needs. Our technical presence in over 100 countries allows BASF to offer technical support on a global, regional and local basis.

We can provide reagents, equipment, process technologies and expertise, focusing on applications such as flotation, solid liquid separation, solvent extraction, tailings management, grinding, and materials handling.

BASF's flotation portfolio range includes collectors for non-sulfide ores, frothers, dispersants, and modifiers. Our expertise in surfactant chemistry has resulted in a long history of innovation allowing BASF to provide innovative and sustainable solutions to ensure our customers' operations run more efficiently by delivering operational and financial benefits.



As a solution provider, we offer a wide range of flotation reagents to meet your needs



Lupromin®

Non-sulfidic collector portfolio aimed at reducing reagent consumption and increasing flotation efficiency.

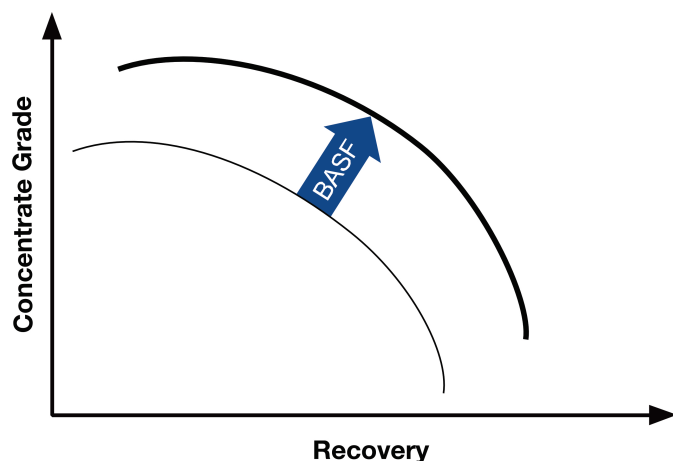
Luprofroth™

Sulfidic frother portfolio designed to increase recovery and ore grade in flotation operations.

Luproset™

Modifier portfolio with diverse solutions to increase the efficiency of global flotation operations.

BASF helps you to achieve the most profitable operational curve.



Mineral	BASF Solution
Phosphate	Direct flotation using our Lupromin® range of collectors. Tailor-made formulations are available for inverse carbonate flotation from phosphate ores.
Barite	Direct flotation using Lupromin® FP B 715 , Lupromin® 199 or Lupromin® FP E granulate collectors.
Calcite	Silica removal through reverse flotation with Lupromin® FP 18 AS .
Niobium	Direct flotation using Lupromin® FP N 315 and Lupromin® FP N 1953
Lithium	Direct flotation using Lupromin® FP A 369 and provides a favorable EHS profile.
Sulfidic Ores	Luprofroth™ frothers are customized formulations which increase recovery and grade in sulfidic flotation, while Luproset™ ranges boost efficiency of a flotation circuit.



Our commitment to an innovative mining industry

Innovation is at the heart of BASF's Mining Solutions business. We develop novel and innovative solutions which address the evolving needs of the mining industry. BASF is committed to working in close collaboration with our customers, academic community and global industry organizations to foster innovation that will shape our future.

BASF's extensive backward integration is at the core of our business. Our extensive chemical expertise allows us to develop both conventional and novel chemistries that our customers can trust to meet their evolving challenges.

Our specialized Product Development and Technical Support personnel are strategically located around the globe and are complemented by two BASF Global Competence Centers, based in Tucson (North America) and Ludwigshafen (Europe) and supported by flotation laboratories in Jacarei (Brazil) and Johannesburg (South Africa).

By combining our chemistry, equipment, process and application technologies, industry experience, and customer commitment, BASF can offer a unique competence package and expert offerings to support the diversity of mineral processing technology developments and operational challenges.

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