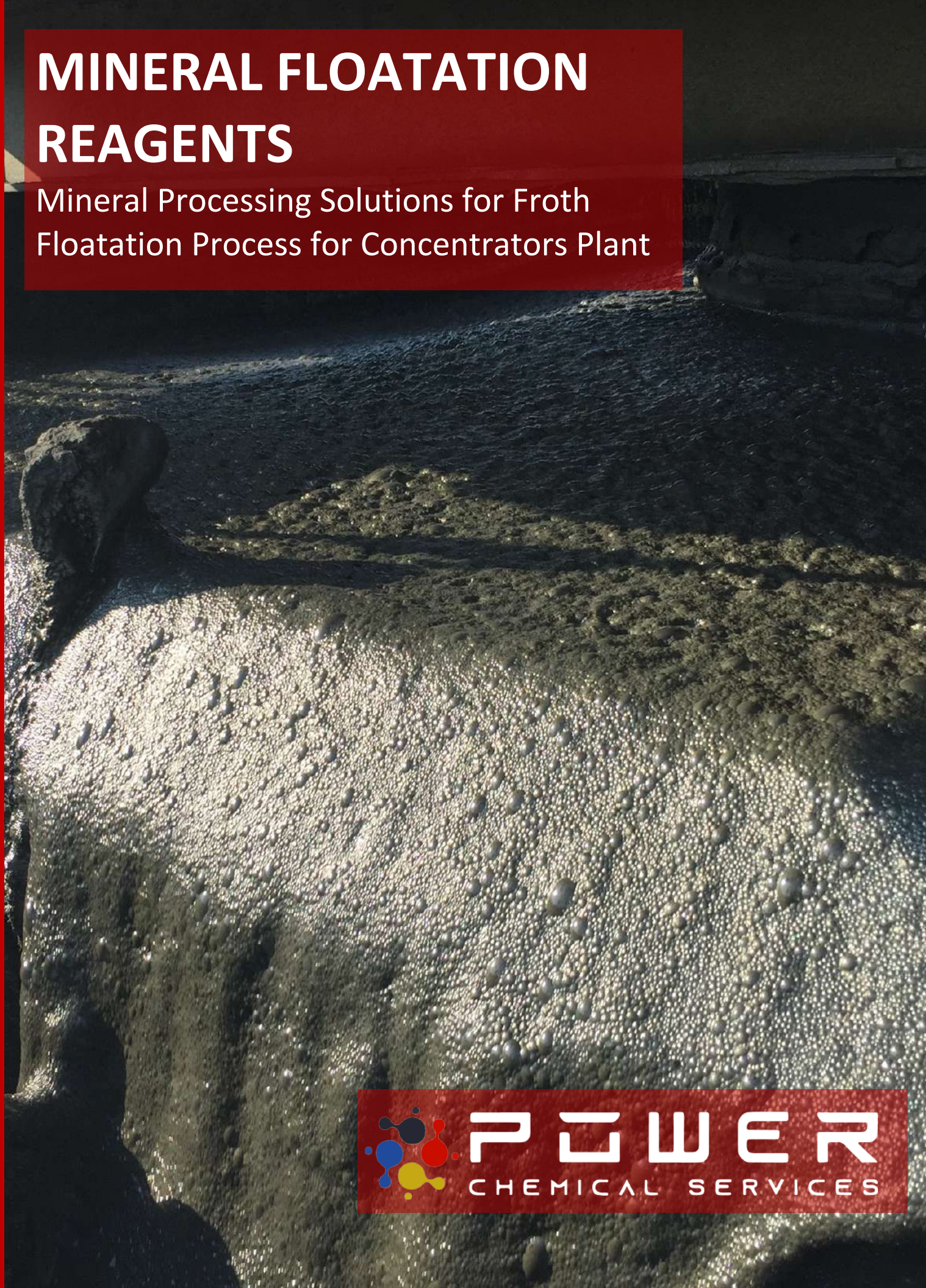
MINERAL FLOATATION REAGENTS

Mineral Processing Solutions for Froth Floatation Process for Concentrators Plant



POWER CHEMICAL SERVICES

Precision Selectivity of your Mineral Floatation Process

Mineral floatation processes are used to increase the concentration of specific minerals in a concentrator plant. To achieve this objective, a mineral floatation process uses various chemicals reagent to enhance the mineral separation efficiency.

Via mineral surface properties modification & froth conditioning, our **POWERSHIFT™, POWERFROTH™, & POWERPRESS™** mineral floatation reagents products are your choice for maximum mineral separation efficiency.

Our **Mineral Floatation Process Products** are a perfect fit for :

- Copper, Zinc, Lead, and various mineral floatation
- Pyrite depressant for floatation cell
- Coal flotation process

Our Chemical Products

POWERSHIFT™ : Collector for Modification of Mineral Surface Properties

Our various **POWERSHIFT™ Mineral Collectors** chemistry such as **Xanthates, Dithiophospates,** and **Thionocarbamate** are able to attach to the mineral surfaces and shift the naturally hydrophilic character of a mineral surface to a hydrophobic (water repellant) characteristic. The modified mineral surface will then be much more effectively attached to the froth and rise up to the top of the floatation cell while the gangue minerals are left in the tailing.

POWERFROTH™ : Frother for Generation of Stable & Consistent Froth

Our chemistry are able to bind water molecules inside the mineral solid matrix and help them rush out easier on a filtration process. Whether its belt press, screw press, or a pan filter our **POWERDRY™ Dewatering Aid** reagent will help you achieve the lowest moisture possible from your filtration process.

POWERPRESS™ : Depressant for Prevention of Gangue Mineral Carryover

Separating sulfide minerals, such as chalcopyrite from pyrite, is somewhat more complex. It relies on modifying the surfaces of non-Cu mineral sulfides, also called gangue minerals, so that the collector does not attach to them while still attaching to Cu Mineral sulfides. Our **POWERPRESS™ Depressant for Gangue Mineral** are able to depress your gangue mineral and preventing them from contaminating your final concentrate product

POWER
CHEMICAL SERVICES

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