



# Philflo<sup>®</sup> Flotation Oils

**Philflo<sup>®</sup> Flotation Oils** are a family of non-polar hydrocarbon blends designed for fine to coarse mineral flotation in potash, phosphate, and vermiculite operations. Our products are specifically designed to enhance flotation of coarser particles at lower dosages than fuel oil, kerosene and diesel for improved recovery of these high-value materials. Philflo<sup>®</sup> flotation oils are compatible with and can be mixed directly with fatty amine and fatty acid collectors and commercial frothers. High flash points and modified pour points contribute to better operational safety and efficient flotation over a wide range of operating temperatures.

## Philflo<sup>®</sup> Flotation Oils:

- Provide superior recovery over a wide range of particle sizes to optimize recovery
- Yield reliable recovery performance through the seasonal temperature variations due to consistent chemical composition and controlled viscosity
- Optimized to minimize drying and caking concerns
- Tank large volume blending for consistent quality
- Multiple sources of supply ensure an optimized supply chain

**Typical Properties of Philflo<sup>®</sup> Flotation Oils**

Characteristics	HV	50	ASTM Method
Specific Gravity at 16.6 °C (g/ml)	1.020	1.010	D1298
Density Conversion (lbs/gal)	8.51	8.43	D1298
Flash Point (°C)	69	59	D93
Pour Point (°C)	-15	-35	D97
Viscosity at 25 °C (mm <sup>2</sup> /sec)	229	46	D445

## Advantages of Philflo<sup>®</sup> HV Flotation Oil:

- Blend chemistry optimized for superior flotation recovery of coarse particles

## Advantages of Philflo<sup>®</sup> 50 Flotation Oil:

- Optimized recovery of fine through medium particle sizes
- Maintain properties at cold temperatures for optimum handling

Do not hesitate to contact us for **Technical Support** at [miningtech@cpchem.com](mailto:miningtech@cpchem.com) or for **Customer Help** at [mining@cpchem.com](mailto:mining@cpchem.com). **Product Safety information and Safety Data Sheets** are available on our website at [www.cpchem.com/mining](http://www.cpchem.com/mining).