

PHILFLO® 50 Flotation Oil

PHILFLO® 50 flotation oil is non-polar oil for use in phosphate and potash flotation. It can be mixed directly with fatty amine and fatty acid collectors. It offers improved recovery by enhancing the flotation of coarse particles at lower dosages than fuel oil, kerosene, and other similar oils used for flotation.

APPLICATION:	Dosages rates are ore dependent but typically range from 0.05 to 2.0 lbs./ton (24 g to 1 kg/ton) of flotation feed.
BENEFITS:	PHILFLO® 50 promotes flotation of relatively fine particles sizes (< 28 mesh) and provides improved recovery. PHILFLO® 50 has a low pour point, controlled viscosity, and consistent performance.
AVAILABILITY:	PHILFLO® 50 is currently available in drum, tank truck, and tank car quantities.
MATERIAL HANDLING:	Refer to the Material Safety Data Sheet for complete safety and health information.

Typical Composition (1)	Value
Specific Gravity, 60°F (15.6°C), gm/cc	0.97 – 1.04
Pounds per Gallon	7.98
Composition, wt.%	
Light Cycle Oil	45 - 55
Heavy Cycle Oil	45 - 55
Flash Point, PMCC (°F/°C)	170/ 77
Viscosity, cSt @ 77°F/25°C	11.9
Pour Point, (°F/°C)	< - 20 / < - 4
Solubility in Water	Negligible
Appearance and Odor	Black / mild odor

(1) Not tested for or reported for individual lots. For informational purposes only.