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MOLYFLO® Flotation Oil

MOLYFLO® is a non-polar hydrocarbon that is a low cost, highly effective collector for molybdenite in by-product molybdenite recovery plants. MOLYFLO® requires little conditioning time and may be added to a conditioning tank or in the molybdenum roughers in place of kerosene, diesel, or other oil products. It shows superior recovery and selectivity over kerosene and diesel, which results in more consistent operations over extended time periods. It can be used with all conventional reagents, and is stable over wide pH ranges. MOLYFLO® can also be used as a primary or scavenger collector for molybdenite in primary molybdenite ores and in copper-molybdenum bulk flotation processes.

APPLICATION: MOLYFLO® should be added to the conditioning tank before the differential flotation process at a dosage rate of 0.05 – 0.20 lbs/ton (25 – 200 g/metric ton) of concentrate.

MOLYFLO® is effective as the collector in a primary molybdenum ore when added to the primary ball mill or rod mill grinding stage at a dosage rate of ≥ 0.2 lbs/ton (100 g/metric ton) of ore.

BENEFITS: MOLYFLO® is an excellent replacement for diesel, kerosene, or fuel oil.

MOLYFLO® improves molybdenum recovery, overall plant selectivity, and allows for more consistent operations.

AVAILABILITY: MOLYFLO® is currently available as a bulk shipment.

MATERIAL HANDLING: Refer to the Material Safety Data Sheet for complete safety and health information.

Typical Composition (1)	Value
Specific Gravity, 68°F (20°C), gm/cc	0.96
Pounds per Gallon	7.7
Gravity, API	15.3
Flash Point, PMCC (°F/°C)	224/107
Pour Point, (°F/°C)	-27/-16
Viscosity, cSt @ 70°F/21°C	4.58
Sulfur, wt. %	0.2
Solubility in Water	Negligible
Appearance and Odor	Amber color/ slight odor

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

MSDS # 59560

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Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.