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MOLYFLO[®] Flotation Oil

MOLYFLO[®] flotation oil is a non-polar collector that is a low cost, highly effective collector for molybdenite in by-product molybdenite recovery plants. MOLYFLO[®] flotation oil requires little conditioning time and is added to a conditioning tank or in the molybdenum roughers in place of kerosene, diesel, or other oil products. It improves 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[®] flotation oil 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[®] flotation oil 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[®] flotation oil 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 approximately 0.2 lbs/ton (100 g/metric ton) of ore.

Benefits MOLYFLO[®] flotation oil is an excellent replacement for diesel, kerosene, or fuel oil.

MOLYFLO[®] flotation oil improves recovery, selectivity, and allows for more consistent operations over extended time periods.

Availability MOLYFLO[®] flotation oil is currently available in drum, tank truck, and tank car quantities.

Material Handling Avoid skin contact. Provide means of controlling leaks and spills. Keep away from ignition sources. Use dry chemical or water fog fire extinguishing media. Wear polyvinyl alcohol or Buna-N gloves, and protective clothing. If spilled, protect from ignition; keep out of water sources and sewers. Use mechanical clean-up procedure with absorbent paper or sawdust. Incinerate absorbed material under controlled conditions. For skin contact, wash off with soap and water. For eye contact, wash out with running water for 15 minutes. and obtain prompt medical assistance. For oral ingestion, give two glasses of water, induce vomiting by placing finger at the back of throat, and obtain prompt medical assistance. For inhalation, remove from exposure.

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

Typical Properties

Property	Value
Density at 60°F (15.6°C)	7.7 lbs/gal (0.922 g/cc)
Flash Point, TCC	170°F (77°C)
Pour Point	-7°F (-22°C)
Viscosity, cst @ 70°F (21.1°C)	4.58

MSDS #59560

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Another quality product from



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.