Safe Handling, Application and Storage of ORFOM® D8 Sulfide Depressant

Chevron Phillips Chemical ORFOM® D8 Depressant, disodium carboxymethyl trithiocarbonate, is a water soluble organic useful for selective depression of various sulfides during the flotation process. The product is highly effective in depressing iron, copper and leads sulfides in primary and by-product molybdenite flotation circuits. It is also highly effective for secondary copper depression.

Application and Dosage
Primary Molybdenite ORFOM® D8 dosage should be 0.01-0.05 lbs./ton (5-25 g/MT) of ore added to the grinding mills or conditioners. In cleaner circuits, the dosage rates should be 0.2-2 lbs./ton (100-1000 g/MT) of concentrate. By-product Molybdenite dosage rates should be 1-2 lbs./ton (500-1000 g/MT) of moly plant feed added to the conditioner. In cleaner cells, ORFOM® D8 should be used at 0.2-2 lbs./ton (10-1000 g/MT).

pH Range
ORFOM® D8 is effective in acidic and basic pH ranges.

Material Handling
Store indoors, out of direct sunlight. Do not store in temperature extremes. ORFOM® D8 Depressant may start to gel/crystallize at or near its freeze point/pour point (-1°C/30.2°F) temperatures. At these low temperatures, a precipitate may form at the bottom of the shipping container. Raising the temperature above the freeze point of the ORFOM® D8 will bring the gelling and crystallization back into solution, but the dissolution time is slow. The precipitate may not re-dissolve and may stay at the bottom of the container. Do not pump through small orifice valves as they may clog due to the precipitate. Filter previous to pumping. Stainless steel or plastic should be used to store and transfer this material. Black iron, mild steel and alloys of copper/aluminum should be avoided.

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

http://www.cpchem.com/enu/specialty_chemicals_p_mining_chemicals.asp

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