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## 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](http://www.cpchem.com/enu/specialty_chemicals_p_mining_chemicals.asp)

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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, 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.