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## ORFOM® D8 Depressant

ORFOM® D 8 depressant, disodium carboxymethyl trithiocarbonate, is a water soluble organic useful for selective depression of various sulfides during the flotation process. This product is most effective in depressing iron, copper, and lead sulfides in primary and by-product molybdenite flotation circuits. It is also useful for secondary copper depression.

### APPLICATION:

Primary Molybdenite - ORFOM® D 8 dosage should be 0.01 - 0.05 lbs./ton (5 to 25 g/metric ton) of ore added to the grinding mills or conditioner. In the cleaner circuits, the dosage rates should be 0.2 - 2 lbs./ton (100 - 1000 g/metric ton) of concentrate.

By-Product Molybdenite - ORFOM® D 8 dosage rates should be 1 - 2 lbs./ton (500 - 1000 g/metric ton) of moly plant feed added to the conditioner. In the cleaner cells, ORFOM D 8 should be used at 0.2 - 2 lbs./ton (100 - 1000 g/metric ton) of concentrate.

ORFOM® D 8 is effective at pH ranges < 9 and is ineffective in depressing chalcopyrite.

### BENEFITS:

ORFOM® D 8 Depressant minimizes reagent preparation and handling. ORFOM® D 8 can be used with or replace sodium hydrosulfide, Nokes Reagent, ferrocyanide, and sodium cyanide. ORFOM® D 8 is less odorous than sodium hydrosulfide and significantly less toxic than more traditional depressants.

### AVAILABILITY:

ORFOM® D 8 Depressant is currently available in 275 gallon (1040 l) and bulk quantities.

### MATERIAL HANDLING:

**Do not store in temperature extremes. Store indoors/out of direct sunlight.**

Stainless steel or plastic should be used to store and transfer this material. Black iron, mild steel, and the alloys of copper or aluminum should be avoided.

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	1.29
Pounds per Gallon	10.8
Flash Point, TCC (°F/°C)	165 / 74
Pour Point, (°F/°C)	-38 / -39
Viscosity, cSt @ 70°F/21°C	7.50
Solubility in Water	Completely
Appearance and Odor	Orange/red color/ slight odor
<b>(1) Not tested for or reported for individual lots. For informational purposes only.</b>	

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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.