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## ORFOM® CO 100 Collector

ORFOM® CO 100, a straight chain sulfur based hydrocarbon collector, is a highly effective for tarnished base metal sulfides as well as precious metals. It can also be used as a primary or co-primary collector in pyrite complexed with gold. It can be used with all conventional reagents and is stable over a wide pH range. Orfom® CO 100 is a powerful, non-selective reagent that can be used in many by-product, bulk sulfide flotation processes. However, effective use can be maintained at very low dosages.

**APPLICATION:** ORFOM® CO 100 is most effective when added to the grinding circuit as a primary collector at a dosage rate of approximately 0.03 lbs/ton of ore.

ORFOM® CO 100 should be added to the secondary rougher or scavenger banks at approximately 0.005 lbs/ton of ore when used as a scavenger (low dosages).

**BENEFITS:** ORFOM® CO 100 collector increases copper sulfide recovery in secondary circuits over a wide pH range.

**AVAILABILITY:** ORFOM® CO 100 collector is currently available in drum, tank truck, and tank car quantities.

**MATERIAL HANDLING:** Stainless steel or plastic should be used to store or transfer this material. Black iron, mild steel, and the alloys of copper and 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	0.8492
Pounds per Gallon	7.08
Composition, wt.% n-Dodecyl Mercaptan	> 98
sec-Dodecyl mercaptan	< 1
Flash Point, TCC (°F/°C)	271/ 133
Viscosity, cSt @ 70°F/21.1°C	5.56
Solubility in Water	Negligible
Appearance and Odor	Colorless unpleasant odor

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

MSDS # 98010

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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.