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ORFOM® CO 200 Collector

ORFOM® CO 200 collector, a high purity, sulfur based hydrocarbon, is a highly effective primary collector for sphalerite. In some lead/zinc ores, ORFOM® CO 200 gives a pronounced increase in zinc recovery at reduced activator levels. Often, the sphalerite activator can be reduced up to thirty percent from that required for the more traditional collectors. ORFOM® CO 200 can be used as the sole primary collector or as a co-primary collector with all other conventional collectors. It is stable over a wide pH range. It is an oily collector requiring two to five minutes conditioning time, and should be added to the zinc conditioning tank. Orfom® CO 200 can also be used as a secondary or scavenger collector for base metal sulfides.

- APPLICATION:** ORFOM® CO 200 should be added to the first zinc conditioner at a dosage rate of 0.01 - 0.03 lb/ton ore. (5 to 15g per metric ton).
- BENEFITS:** ORFOM® CO 200 can increase zinc sulfide recovery over more traditional reagents while often reducing the copper sulfate activator requirement by about 30%.
- AVAILABILITY:** ORFOM® F8 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	0.860
Pounds per Gallon	7.17
Composition, wt.% tert Dodecyl Mercaptan	93
Flash Point, PMCC (°F/°C)	208 / 98
Viscosity, cps @ 68°F/20°C	2.84
Solubility in Water	Negligible
Appearance and Odor	Colorless unpleasant odor

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

MSDS # 98030

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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.