

Orfom[®] D8 Depressant

Orfom[®] D8 Depressant is a water soluble reagent that provides efficient depression of iron, copper and lead containing sulfide minerals in flotation processes. This product is the preferred depressant in primary molybdenum flotation operations for copper and iron sulfides and provides exceptional performance in copper-molybdenum separation circuits to depress copper from molybdenum resulting in acceptable quality and grade.

Orfom[®] D8 Depressant

- Compatible with typical flotation reagents
- Maintains performance at system pH >7
- Is less odorous and has a lower toxicity profile than other traditional depressants like Sodium Hydrosulfide (NaSH) and NOKES
- Highly effective at significantly lower dosage than NaSH and NOKES
- Does not oxidize in air so does not require use of an expensive inert atmosphere system to maintain product performance
- Offered as a 38% aqueous solution, and used as is, to maximize safety and minimize handling issues associated with alternative reagent preparation
- No reportable shelf-life issues
- SDS reports respiratory protection not required
- TSCA registered and REACH compliant

Advantages in Primary Molybdenum Operations

- Very effective in depressing iron and copper with contribution to depressing lead sulfide minerals when added to the ball mill or cleaner circuit
- Proven to maximize grade when used with NOKES reagent while minimizing total depressant dosage

Typical Properties of Orfom[®] D8 Depressant

Characteristics	Orfom [®] D8	ASTM Method
Specific Gravity at 15.6 °C (g/ml)	1.33	D1298
Density Conversion (lbs/gal)	11.10	D1298
Flash Point (°C)	>62	D93
Color (Saybolt)	Light Orange/Red	D156
Assay (%)	38	Internal
pH	13.6	E70
Solubility in Water	Complete	Internal
Pour Point (°C)	-1	D97
Viscosity at 25 °C (mm ² /sec)	7.1	D445
Odor	Mild	Internal

Advantages in Copper-Molybdenum Separation Operations

- Effectively depresses copper from copper-molybdenum bulk concentrate
- Proven full replacement depressant to NaSH and other alternative depressant systems
- Achieve stable final molybdenum concentrate grade
- Reduces total reagent consumption

Do not hesitate to contact us for **Technical Support** at miningtech@cpchem.com or for **Customer Help** at mining@cpchem.com. **Product Safety information and Material Data Sheets** are available on our website at www.cpchem.com/mining.