



Danafloat™ 262E mineral collector

Application

Danafloat 262E is a thionocarbamate thiol collector blended with an emulsifier that allows the product to be diluted in water for feeding to a process. The product is fully homogeneous and stable.

Danafloat 262E offers good selectivity against pyrite in sulfide flotation and can provide good to excellent flotation response to various copper minerals, including but not exclusively, chalcopyrite, bornite, chalcocite and covellite. Other applications include copper activated sphalerite, tetrahedrite and, depending on ore mineralogy, gold ore flotation.

While the product is often used as a single collector, the product can be used in combination with a xanthate reagent in addition or even as a partial *Danafloat 262E* replacement. Depending on ore mineralogy and flotation circuit conditions, the *Danafloat*

262E dosage level is often lower than xanthate on a comparative basis. *Danafloat 262E* provides greater frothing compared to xanthate.

Depending on water characteristics and chemistry, *Danafloat 262E* can be diluted in water up to a 10% solution concentration for feeding to the circuit. The product can also be fed to the circuit undiluted. If using a product dilution is desired, because water chemistry can have an impact, stability tests at the target solution concentration is necessary and highly recommended.

Danafloat 262E is normally used in neutral to alkaline conditions (> 6 pH). Typical dosage levels depend on ore feed grades, mineralogies and flotation responses, but typical dosage levels range between 10 to 50 grams per metric ton ore (0.020 to 0.11 lb/T).

Composition

Chemical name: Thionocarbamate
CAS name: O-Isopropylethylthionocarbamate emulsifiers

Active ingredient: 54-58%

Physical properties

Appearance: Reddish brown to golden
Form: Liquid
Boiling point: not available
Freezing point: < 30 degree C
Specific gravity: 0.98 g/ml at 20 degrees C
Flash point: 58 degrees C (Pensky-Martens closed tester)



