



Danafloat™ 067 mineral collector

Application

Danafloat 067 is a water soluble salt of aryl dithiophosphoric acid.

Danafloat 067 has a light frothing characteristic and is especially useful where a fast, selective and active collector is required and no conditioning of the collector with pulp is possible.

The dosage of *Danafloat 067* is wide and varies with the type of ore, usually falling within the range of 10 to 100 grams per metric ton ore.

Danafloat 067 can be added undiluted or preferably diluted with clear water to 5-20 % solutions. It is good practice to stir before use.

Experience has shown that *Danafloat 067* is effective in the pH range of 4-12.

Composition

Chemical name:	cresyl-dtp-NH ₄
CAS name:	Phosphorodithioic acid, O,O-bis(methyl-phenyl) ester, ammonium salt
Active ingredient:	49-51% by weight

Physical properties

Appearance:	Reddish brown to black
Form:	Liquid (aqueous solution)
Boiling point:	Above 100 degrees C
Melting/freezing point:	Minus 1 to minus 5 degrees C
Specific gravity:	1.14 g/ml
Flash point:	None



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Safety and handling

Danafloat flotation collectors are manufactured under carefully controlled conditions. However, to varying degrees they can be considered harmful or toxic, and therefore before handling this product always carefully read and understand the MSDS for this product.

Danafloat 067 contains 4-8% cresols, and cresols

- may be fatal if inhaled, swallowed or adsorbed through skin
- cause burns
- are extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin.

Safe handling includes the use of safety glasses, natural rubber gloves and protective clothing. Additionally, avoid inhalation of vapours.

Storage

- + Store in a dry and well-ventilated place away from heat and sunlight after the principle "first in/first out"
- + Avoid freezing
- + Store in plastic drums or coated steel drums

Environmental impact

Danafloat 067 is biodegradable. The cresols in the product are readily degradable biologically. Cresols show high acute toxicity both towards fish (LC₅₀, 96 hrs, 1-10 mg cresols per litre) and to aquatic invertebrates. The majority of the collector is, however,

tied up with the concentrate and is destroyed in the subsequent processing operations. The remainder is transferred to the tailings. Release into the water systems should be avoided.

Packing

Danafloat mineral collectors are supplied in tank containers or plastic drums. If preferred, *Danafloat* collectors may be supplied in coated steel drums.

Tank containers	Net weight:	approx. 20 mt
Drums	Net weight:	225 kg
	Gross weight:	approx. 235.5 kg for plastic drums approx. 247 kg for coated steel drums

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