



Danafloat™ 233 mineral collector

Application

Danafloat 233 is an aqueous solution of dialkyl dithiophosphate.

Danafloat 233 has little frothing properties. The main application is the flotation of zinc sulphides, e.g. sphalerite and marmatite, where the selectivity of *Danafloat 233* towards pyrite is advantageous. Another application is flotation of copper sulphides. In both cases, for optimum recovery a scavenger collector is often needed.

Danafloat 233 can be added undiluted or preferably diluted with clear water to 5-20% solutions. It is good practice to stir before use.

The dosage of *Danafloat 233* varies with the type of ore, usually falling within the range of 10-100 grams per metric ton ore.

Danafloat 233 is effective in the pH range of 4 to 12.

Composition

Chemical name:	i-propyl-dtp-Na
CAS name:	Phosphorodithioic acid, O,O-bis(1-methyl-ethyl)ester, sodium salt
Active ingredient:	48-52% by weight

Physical properties

Appearance:	Light brown
Form:	Liquid (aqueous solution)
Boiling point:	105 degrees C
Melting/freezing point:	Minus 4 degrees C
Specific gravity:	1.16 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 and therefore before handling this product always carefully read and understand the MSDS for this product.

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 233 is biodegradable. The majority of the collector is 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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