

Organic heavy metal precipitant For waste water treatment

OVIVO FM 05 is outstanding precipitant agent in liquid form with an adsorbing effect. It is a specialized metal precipitant, mainly used in waste water treatment, containing complexed heavy metal ions. OVIVO FM05 can achieve lower metal ion concentrations, compared to similar products like DMDTC.

Why OVIVO® FM 05!



Very efficient &

Effortless

pull out of filter rate cake, at end of process



Environmental friendly

No harmful

for fish and any other aquatic organisms



The large

"Internal"

Surface, though more powerful precipitation



Specification

APPEARANCE	Red orange solution
SPECIFIC GRAVITY	± 1.14 kg/dm ³
PH	± 12.3 (5%)
MELTING POINT	- 4°C
VISCOSITY	40 cP (21°C)

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OVIVO[®] FM 05

CUSTOMIZED FOR HEAVY METAL APPLICATION

OVIVO FM05 is a special metal precipitant for the precipitation of heavy metal complexes without pre-treatment. The molecular structure of FM05 provides the ability to form larger flocs compared with applications using Dimethyl-dithio-carbamate (DMDTC). It is recommended to use OVIVO AD10-SF (Flocculants add) together with FM05 to gain best results in precipitation and clear supernatant. OVIVO FM05 is used for the precipitation of complex heavy metal complexes. A high efficiency is demonstrated on separation of cadmium, copper, lead, mercury, nickel, silver and zinc.

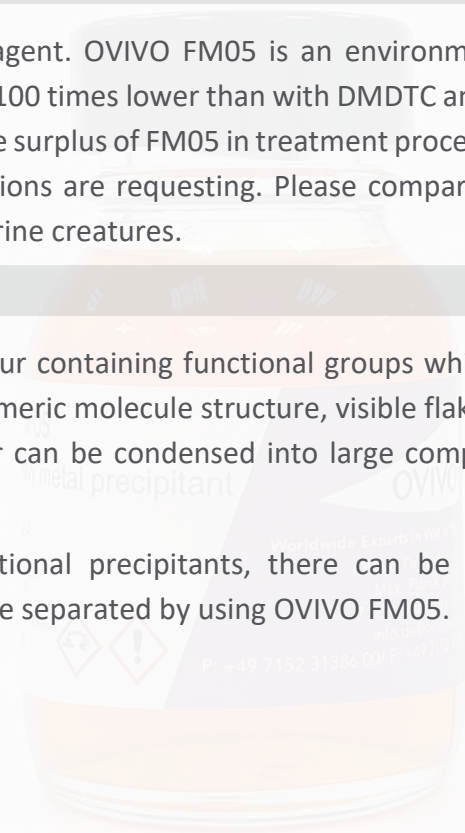
ECO-FRIENDLY ORGANIC PRECIPITANT

Moreover, it is "GREEN" solution reagent. OVIVO FM05 is an environmentally friendly organic metal precipitant. The aquatic toxicity is ca. 100 times lower than with DMDTC and ca. 10 times lower than with Tri-thio-carbamate (TTC) products. The surplus of FM05 in treatment process does not have to be reduced (e.g. use of FeCl₃) like other applications are requesting. Please compare with DMDTC or TTC. OVIVO FM05 is not poisonous to fish and marine creatures.

INVENTIVE ATOMIC STRUCTURE

OVIVO FM05 is a polymer with sulphur containing functional groups which react with heavy metals in insoluble bonding. In view of the polymeric molecule structure, visible flakes are created which, with the addition of a suitable flaking initiator can be condensed into large compact particles which are easily separable from the water phase.

In comparison to the usual convectional precipitants, there can be attained a very low residual concentration of the heavy metal to be separated by using OVIVO FM05.



To begin your journey toward sustainably, please reach us!

Ovivo offers its customers a complete life cycle support for its products, equipment and solutions.



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