



Epofloc L1-R Product Information

EPOFLOC L1-R

The environmentally friendly EpoFloc is suited to removing numerous heavy metals from water. EpoFloc is a heavy metal precipitation agent for the treatment of process and industrial waste water. It can be used alone or in combination with flocculation aid agents and is particularly suited to plating, metal finishing and circuit board manufacturing plants. Metals that can be removed include Copper, Mercury, Zinc, Chrome, Cadmium and Silver.

EPOFLOC L1-R is a heavy metal precipitation agent for the treatment of process and industrial waste water.

It can be used alone or in combination with flocculation aid agents. EpoFloc L1-R is responsible for heavy metal precipitation. It consists of polymeric bounded sulfur groups.

Heavy Metal Coagulant



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Technical specifications

Dosage:

The dosage needs practical evidence. If the metals are bounded as a soluble complex (in the form of citrate, gluconate, NTA, EDTA, etc.) the dosing needs to be empirically evaluated. The usual dosing in practice is between 0.2 - 1.0 l/m³ if EpoFloc L1-R is used alone

Physical Properties

Bulk density: 1.30 ± 0.05 g/cm³ at 20°C
 pH Value: 12.5 ± 1.0
 Brookf. Viscosity: 30 - 500 mPa/s at 25°C
 Solubility in water: unlimited

At a glance:

pH application area: pH 3 - 10
 Temperature Application area: 10 - 70°C
 Maturation Time: 10- 40 minutes
 Reaction time: 5 - 25 minutes
 High recommended for: Copper, Mercury, Zinc, Chrome, Cadmium, Silver.
 Less recommended for: Lead, Nickel.
 Storage conditions: 0 - 30°C
 Dangerous goods (ADR): UN3267, 8, III
 Water hazard class: WHC 1

Application Guide (Metals):

Zinc: + + + +
 Nickel: + + +
 Copper: + + + + +
 Mercury: + + + + +
 Chrome (Cr³⁺): + + + +
 Lead: + + +
 Tin: +
 Cobalt: + +
 Cadmium: + + + +
 Silver: + + + +

+ + + + +	= Excellent results
+ + + +	= Good results
+ + +	= Satisfactory results

Application Guide (Industries):

Galvanizing plants: + + + + +
 Electropolishing: + + +
 Automotive industry: + + + +
 Incineration plants: + + +
 Coal power plants: + + + + +
 Soil remediation: + + + +
 Circuit board industry: + + + + +