

# Diplexin HP-09

## Very effective heavy metal precipitant for complexed wastewater.

Diplexin HP-09 is used for the precipitation of complex-bound heavy metals. The user receives an easy-to-use product, which reliably precipitates all current heavy metals. Due to the composition of Diplexin HP-09 any possible re-dissolution of metals from the sludge into the clarified water is safely prevented. This heavy metal precipitant shows excellent results especially in the treatment of Zn-Ni waste water and other heavily polluted waste water.

Due to the special design of this product, it is possible to control and automate the dosage by redox values.

Technical Properties	
Density (g/cm <sup>3</sup> ) at 20 °C	1,15 - 1,25
pH-value (conc.)	> 11,0
Application temperature (°C)	20 - 50
Water solubility (%)	100
Operation concentration kg/m <sup>3</sup>	0,2 - 10,0

Applications			
Galvanic Companies	++	Lacquer Factories	o
Printed Circuit Boards	+	Anodizing Companies	+
Sewage Plants	+	Cracking Industry	o
Waste Diposal	++	Chemical Industry	++

++ very recommended	+ recommended	o possible	- not recommended
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General Indications
The product is used as delivered.
Reaction time is appr. 10 - 40 minutes.
Recommended pH-value : 5,0 - 13,0; optimum at 6,0 - 9,0
Chemical affinity of heavy metals: Ni <sup>2+</sup> > Zn <sup>2+</sup> > Cu <sup>2+</sup> > Ag <sup>+</sup> > Co <sup>2+</sup> > Hg <sup>2+</sup> > Pb <sup>2+</sup> > Fe <sup>3+</sup> > Mn <sup>2+</sup>
An excess of product has to be avoided due to ecotoxicological reasons.
Excesses can be reliably detected by using the "S-indicator solution".
Possible excesses have to be treated with iron-based products.
Special advantages: active over a broad pH range - very efficient on different heavy metals - low dosing quantities, highly concentrated heavy metal precipitator
Automatic and optimal dosage of von Diplexin HP-09 possible.
Storage condition : not below 5 °C

