



Färber & Schmid  
Chemie · Technik

# Diplexin Zn-1/MEP-2

**Liquid and highly active metal-precipitant for complex waste waters**

Diplexin Zn-1/MEP-2 is used for the absolutely reliable precipitation of complex-bound heavy metals. The user receives an easy-to-handle product that effectively precipitates all common heavy metals. Due to the specific composition of Diplexin Zn-1/MEP-2, zinc can be precipitated significantly more efficiently compared to conventional organosulfides. The modified formulation also ensures highly reliable precipitation of nickel.

Any potential re-dissolution of metals from the sludge into the clarified water is effectively prevented thanks to the unique composition of Diplexin Zn-1/MEP-2.

The innovative and highly concentrated formulation of this heavy metal precipitant guarantees maximum efficiency at an optimal cost-performance ratio.

Technical Properties	
Density (g/cm <sup>3</sup> ) at 20°C	1,25 - 1,30
pH-value (10 g / l H <sub>2</sub> O)	12,5 - 14
Application temperature (°C)	20 - 50
Water solubility (%)	100
Operation concentration kg/m <sup>3</sup>	0,2 - 5,0

Applications			
Galvanic Companies	++	Lacquer Factories	++
Printed Circuit Boards	++	Anodizing Companies	+
Sewage Plants	++	Cracking Industry	++
Waste Disposal	++	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 : 4,0 - 13,0; optimum at 6,0 - 9,0
Chemical affinity of heavy metals: Zn <sup>2+</sup> > Ni <sup>2+</sup> > Cu <sup>2+</sup> > Hg <sup>2+</sup> > Pb <sup>2+</sup>
Overdoses can be detected by using the "S-indicator solution".
A possible overdose of Diplexin Zn-1/MEP-2 has to be treated with iron-based products
Special benefits: active over a broad pH-range -highly effective on different heavy metals - low price
Storage condition : not below 0 °C

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