

# Diplexin SP-05

## Liquid metal-precipitant Redox controllable

Diplexin SP-05 is a metal precipitant based on various sulphide compounds to eliminate heavy metals out of industrial contaminated waste water. Even in the presence of strong complexing agents a secure elimination of all metals are possible. This product combines multi-metal precipitation with an outstanding price-efficiency ratio.

The operator receives an easy to use product. The optimised dosing quantities of Diplexin SP-05 have to be defined upon the composition and kind of waste water.

### Technical Properties

Density (g/cm <sup>3</sup> ) at 20 °C	1,10 - 1,20
pH-value	> 13,0
Application temperature (°C)	20 - 50
Water solubility (%)	100
Operation concentration kg/m <sup>3</sup>	0,2 - 10,0

### Applications

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

++ very  
recommended

+ recommended

o possible

– not recommended

### General Indications

The product is delivered as a ready to use solution.

The processing time is appr. 10 - 40 minutes.

Recommended pH-value : 4,5 - 13,0 (optimally 6,0 – 9,0)

Chemical affinity of heavy metals:  $Zn^{2+} > Cu^{2+} > Ni^{2+} > Ag^+ > Co^{2+} > Hg^{2+} > Pb^{2+} > Fe^{3+} > Mn^{2+}$

A possible overdose of Diplexin SP-05 has to be treated with iron-based products.

Excesses are to be avoided because of eco-toxic reasons and can be detected safely by using the "S-indicator solution".

Special benefits: active over a broad pH-range –highly effective on different heavy metals – low price

Automatic and optimal dosage of Diplexin SP-05 possible.

Storage condition : not below 5 °C



ISO 9001 / ISO 14001