



Färber & Schmid  
Chemie · Technik

# Diplexin S-100

**Highly concentrated, liquid heavy metal precipitator, substitute for sodium sulphide flakes.**

Diplexin S-100 is used for the absolutely safe precipitation of complex-bound heavy metals. The user receives an easy-to-use product that reliably precipitates all common heavy metals. Due to the specific composition of Diplexin S-100 primarily zinc can be precipitated much better than with conventional organosulphides. The composition of Diplexin S-100 reliably prevents any possible redissolution of the metals from the sludge into the clarified water. Due to the special structure of this product, the addition quantities can be controlled and automated by redox value. The new and highly concentrated composition of this heavy metal precipitant guarantees maximum effectiveness at the best price ratio.

Technical Properties	
Density (g/cm <sup>3</sup> ) at 20 °C	1,20-1,30
pH-value (conc.)	>11
Application temperature (°C)	20 - 30
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 used as delivered.
Reaction time is appr. 10 - 40 minutes.
Recommended pH-value : 7,0 - 11,0; optimum at 7,5 - 9,5
Especially when higher dosing quantities of the product are required, the pH value may decrease. The pH value should therefore be monitored and, if necessary, corrected with lye, especially when dosing in the neutral or slightly alkaline pH range. This ensures that the pH value remains in the ideal precipitation range.
An excess of product has to be avoided due to ecotoxicological reasons.
By using the "S-indicator solution", any excess can be reliably detected.
An excess of product has to be avoided due to ecotoxicological reasons.
Avoid storage temperatures below 12°C, at lower temperatures the product tends to crystallise, which dissolves completely at higher temperatures.
Automatic and optimal dosage of von Diplexin S-100 possible.
Any drying or crystallisation of the product is self-heating. The dried product is flammable. Do not use dry paper, cellulose or cotton cloths, especially after spilling the product or cleaning dispensing equipment, as they may catch fire. Rinse contaminated rags or cloths with water and dispose of them in suitable metal safety containers. Preferably clean dosing equipment and storage containers with plenty of water.

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