

# Reductor CN-X

## Special powder additive for cyanide oxidation and COD reduction

Reductor CN-X is a product of highly active oxidative reaction compounds which cyanides safely and reliably eliminates. The user receives an easy to use product without unpleasant odors. Reductor CN-X is a substitute for chlorine bleach (Javel) and hydrogen peroxide. Through appropriate addition also the COD value may be lowered depending on the waste water.

Technical Properties	
Bulk Density (g/cm <sup>3</sup> ) at 20°C	2,26
pH-value (10 g / l H <sub>2</sub> O)	4,5
Application temperature (°C)	20 - 50
Water solubility (%)	100
Operation concentration kg/m <sup>3</sup>	Depending on CN-content

Applications			
Galvanic Companies	++	Lacquer Factories	+
Printed Circuit Boards	++	Mining Companies	+
Sewage Plants	+	Textile Industry	+
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 at least 40 minutes
Do not dilute with water.
The application range is from pH 9,5 to pH 11,0.
During reaction time pH-value should not decline below 9,5.
The product forms no AOX.
Based on the oxidative character of the product, the COD value can be lowered.
No chlorine odor is built during treatment.
Dosage of Reductor CON-X is based on the measured cyanide, which means that it has to be 25 times the amount of Reductor CN-X in relation to the cyanide.
Example: 100 ppm / ltr CN <sup>-</sup> on 1 m <sup>3</sup> of waste water = 100 g CN <sup>-</sup> x 25 = 2,5 kg Reductor CN-X.
Dangerous goods
Humidity has to be avoided. Opened containers should be used as quickly as possible.



ISO 9001 / ISO 14001