

## 1000 Zeichen



JEPT\_Einzelartikel



Bewertung: Noch nicht bewertet

### Preis

ermäßigter Preis 37,38 €

40,00 €

Netto-Preis: 37,38 €

Enthaltene MwSt.: 2,62 €

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Beschreibung chnologies [1-3]. This technique has proved to be very convenient due to its simplicity and low cost in comparison to other methods and yield porous free finished products [4]. The electrodeposition of Zn-Ni alloy is interesting because this alloy exhibits significant higher corrosion resistance and better surface morphology than pure zinc [5]. The aeronautical industry has shown increasing interest in Zn-Ni alloy coating as a substitute for toxic and high-cost cadmium coatings [5]. The deposited Zn-Ni alloy is always richer in zinc than nickel when electrodeposited from the solution containing  $Zn^{2+}$  and  $Ni^{2+}$  ions. The electrodeposition of Zn-Ni alloys is classified by Brenner [7] as an anomalous codeposition, where zinc a less noble metal is preferentially deposited [6]. Many studies have been carried out to understand the characteristics of the Zn-Ni alloy coatings and the nucleation mechanism of electrodeposition