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## **REDUXIN 797**

Stable reducing agent , for the post-treatment of prints and dyes of polyester fiber with disperse dyes, for the scouring of uncorrect dyes and for washing up of dyeing machinery . It is used as substitute of 'sodium hydrosulphite in the dyeing with reduction dyes.

### **Chemical and physical features:**

Chemical properties:	Aminoiminomethanesulphinic acid
Aspect:	white powder
pH (sol. 5%):	4
Stability to chemical agents:	Stable to hard water, acids, alkali in normal concentrations of use
Stability when stored:	Store in dry place.

### **Properties:**

The use of REDUXIN 797 in dyeing with vat dyes and a reduction dyes brings many advantages compared to the use of sodium hydrosulphite:

1. great stability of the reduction bath and then a greater reliability of the dyes and, for most of the discontinuous processes, a deletion of the added product needs;
2. less use of chemicals and thus a saving of costs recipe;
3. the need to store smaller quantities of product than using hydrosulphite.

At these process advantages it must be added that, due to its high reducing power, REDUXIN 797 allows to obtain a more effective cleaning of the dyeng machinery. The maximum action of REDUXIN 797 is obtained at 70 ° C or when the dyeing bath is alkalized. Finally, from an ecological point of view, REDUXIN 797 reduce the concentration of sulphites in wastewater.



## REDUXIN 797

### **Dosage:**

bleaching of cellulosic fibres and nylon:  
temperature 80-100°C

liquor ratio. 1:10 :

- **REDUXIN 797** **3 – 8 %.**
- **Sodium carbonate** **1-2 %**
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Continuous machinery :

- **REDUXIN 797** **3 - 8 g/l**
- **Sodium carbonate** **1-2 g/l**

Bleaching of proteic fibres:  
temperature max 80°C

- **REDUXIN 797** **2 – 4 g/l**
- **Sodium carbonate** **1- 2 g/l**
- **PROTELAN 462** **2 g/l**

Stripping of polyester:

- **REDUXIN 797** **0,5 – 1 g/l**
- **SODA SOLVAY** **2 g/l**
- **Temperature** **60-70°C for 10 min.**
- **Neutralize with H2O2**