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## TUBISCREEN DC-AGENT

<b>Characterization</b>	Reduction and discharge agent for the pigment discharge process
<b>Chemical Structure</b>	Zinc hydroxy methane sulphinate
<b>Supplied Form</b>	White, crystalline powder
<b>pH Value</b>	5.0 (with 50 g/l, 20°C)
<b>Stabilities</b>	The product is very sensitive to frost; irreversible changes occur after the impact of temperatures around the freezing point.
<b>Storage</b>	Store cool and dry in closed original containers in acid-free air. We recommend not to exceed a storage time of 12 months.

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The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

### Properties

TUBISCREEN DC-AGENT is applied as discharge agent for the pigment discharge process on cellulosic fibres together with TUBISCREEN DC 25. The dyestuff is destroyed on some parts of predyed fabric in order to achieve a certain pattern. Dyestuffs must be selected which can be discharged with TUBISCREEN DC-AGENT. In general, within the range of reactive dyestuffs vinyl sulphones can be well discharged with TUBISCREEN DC-AGENT. However, selected direct dyestuffs can be discharged with TUBISCREEN DC-AGENT. Detailed information on the dischargeability can be generally found in the shade cards of the dyestuff manufacturers or may be requested from them. The pigment dyestuffs required for multi-colour discharge must be fast to discharge. Detailed information can be taken from the shade cards of the dyestuff manufacturers.

White effects and brilliant, light-coloured pastel shades cannot always be achieved. If the temperature is not properly guided, the fibres may be damaged, in particular those of sensitive fabric qualities. We recommend to wash off the printed pieces after the fixation to remove excess discharge agent.

### Recommended Recipe

975 – 850 parts	TUBISCREEN DC 25
0 – 50 parts	colour pigments fast to discharge
50 – 150 parts	TUBISCREEN DC-AGENT
0 – 50 parts	TUBIFIX ML 55

The finished print paste ought to be processed within 1 – 2 days.

The additions should be stirred in the above given order to prevent pigments from agglomeration. The powdery TUBISCREEN DC-AGENT must be stirred in sufficiently long, particularly with very cold print pastes, until it has completely dissolved.

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The application amount of TUBISCREEN DC-AGENT depends on the dischargeability of the fabric quality. Good results are achieved with a concentration as of 50 g/kg.

### **Working Procedure**

1. Print with a good penetration (125 mesh rotary screen or 43 – 68 threads/cm polyester monofil)
2. Drying and dry heat fixation for 6 – 4 minutes at 150 – 170°C
3. Final washing or rinsing process (if possible)

The colour of the material is destroyed by humidity and heat, automatically produced in a one step drying and curing process. Therefore a predrying should not be carried out.

If the final user carries out the washing or rinsing process which we recommend after the fixation, the corresponding labels (e.g. wash before wearing) must be sewn into the fabrics. Moreover, a complete decomposition of the discharge agents through corresponding fixing terms must be given to avoid shadow discharge effects when the fabrics are piled or odour when the fabric is directly packed into plastic bags. Problems may also occur with dust or residual salt amounts on the fabric during processing or when sewing garments.

**We reserve the right to modify the product and technical leaflet.**

**Our department for applied technique is always at your service for further information and advice.**

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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