



ALCANOLAMINES–FREE DYES RANGE

Cellusol Range

- ❖ Does not Contain any TEA*, DEA, MEA, MDEA, DMEA
- ❖ Does not Contain any Glycol

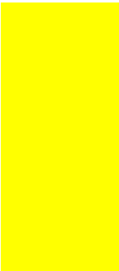
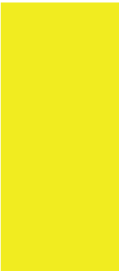

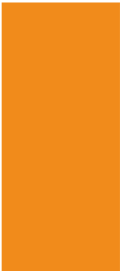


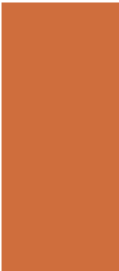





STEINER has developed a large range of direct liquid dyes in order to avoid the use of alcanolamines to comply with the regulations.

And particularly, the lack of Diethanolamine (DEA) and the extremely low limitations of Triethanolamine (TEA) contents in paper and board favor for food contact compliance.

Alcanolamines can be used to help maintain storage stability and prevent deposits forming over time. However, these amines in combination with nitrites could be potentially mutagenic,

Additionally, these dyes bring also benefits in reducing the C.O.D. (Chemical Oxygen Demand) and Nitrogen content in the water treatment and improve environment performance.

									
Cellusol Yellow 6J	Cellusol Yellow 3JN*	Cellusol Orange 4JN	Cellusol orange P2RN	Cellusol Scarlet 4B	Cellusol Red EB 160	Cellusol Brown NNF	Cellusol Brown PNF	Cellusol Turquoise R	Cellusol Blue BRR

*: very low contain of TEA <0,5%

All this range is REACH compliant

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