



COLORCLEAR™

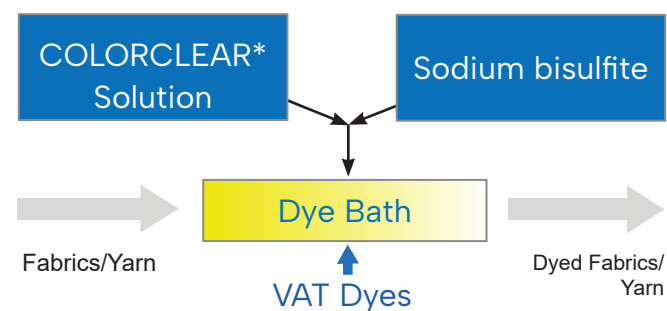
A Reducing Chemical to Improve Efficiency for Vat Dyes

Today's Textile industries require a reductive technology that ensures quality targets are economically met with a simple process. Our innovative COLORCLEAR™ process accomplishes this by taking advantage of the unique characteristics of COLORCLEAR™-bisulfite combinations.

The COLORCLEAR™ Process

When sodium bisulfite (NaHSO_3), a mild reducing agent, is added to COLORCLEAR™, a strong reducing agent, it generates a proprietary mixture excellent for reducing vat dyes. As a portion of the sodium bisulfite and COLORCLEAR™ react they form sodium hydrosulfite, a moderate reducing agent.

The combination of these chemicals creates a successful and cost-effective reduction process.



- Mild reducing agent: Sodium bisulfite
- Moderate reducing agent: Sodium hydrosulfite
- Strong reducing agent: COLORCLEAR™ Solution

Performance

By combining 25g COLORCLEAR™ solution to 80-150g of sodium bisulfite, the result is a sodium hydrosulfite that compares to 100g of the conventional hydrosulfite process.

COLORCLEAR™ reduction process on textiles demonstrates that the technology offers equivalent or superior quality to the conventional hydrosulfite process at a lower cost.

COLORCLEAR™ Process Benefits

- Simple & Powerful Reductive Technology
 - o Outperforms conventional hydrosulfite
 - o Uses stable liquid products
 - o Consistent shade
 - o Shorter dye cycle
 - o Cost efficient
- Safe to handle
 - o No combustible powders
 - o No fire hazards



Headquartered in Bellevue, WA, **Ascensus Specialties** is a global leader in catalysts, ligands, building blocks, and specialty reagents. Our 60+ years of synthetic knowhow, allows us to bring additional value to our clients through our custom synthesis and GMP services. From world-class manufacturing facilities in Elma, WA, Evans City, PA, Newburyport, MA, and Cambridge, UK, Ascensus has a global reach that ensures our clients can consistently manufacture their products to the highest standards.

▶ THE ASCENSUS ADVANTAGE

60+ Years of Experience

Superior Performance

Supply Chain Development

Process Control and Robustness

Safety Focus



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