



**QINGDAO SANHUAN COLORCHEM CO., LTD.**

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## TECHNICAL DATA SHEET

### Reactive Blue 5

#### 1. Product Name

C.I. No.: Reactive Blue 5

CAS Number: 16823-51-1/23422-12-0

Molecular Formula: C<sub>29</sub>H<sub>17</sub>ClN<sub>7</sub>Na<sub>3</sub>O<sub>11</sub>S<sub>3</sub>

Molecular Weight: 840.11

#### 2. Physical, Chemical and Resistance Properties

Appearance: Powder / granules, Liquid, High purity salt-free

Shade: Similar to Standard

Tinting strength%: 100±3

insolubility in water%: ≤0.02

Solubility: >300G/L

PH: 6-9

The dyeing fastness in cotton fabric (Grade) :

Fastness Data												
Fastness to light ISO 105 B02		Fastness to light ISO 105 B02		Water Severe ISO 105 E01		Chlorinate d Water ISO105E3	Perspiration (alkaline) ISO 105 E04		Perspiration (acid) ISO 105 E04		Rubbing ISO 105 X12	
1/1 SD	1/6 SD	Effect	Stain CO	Effect	Stain CO	20mg/l active Chlorine	Effect	Stain CO	Effect	Stain CO	Dry	Wettin g
5-6	5	5	5	5	4-5	2	4-5	5	4-5	5	5	3-4

#### 3. Application

1,the main recommendation for fixing one-phase printing process under saturated steam conditions

2,suitable for one-phase printing of high temperature steaming or curing fixation

3,suitable for Short steaming process of two-phase printing

#### 4.Package

Packed in 25kgs Carton/50kgs Medium plastic bucket/1000kgs Large plastic bucket.