

# DCC RED RA 511

Brilliant CF Red Pigment



Working Together for Quality®

## SPECIFICATIONS AND PROPERTIES

### DESCRIPTION

DCC Red RA 511 is a clean blue shade red copper ferrocyanide pigment for use in ink applications. It is primarily used in water-based flexographic printing inks. It has good long-term viscosity stability.

<b>Chemical Type/Common Name</b>	Organic / Rhodamine 6G (CFA) Copperferrocyanide Pink
<b>Colour Index: Generic Name</b>	Pigment Red 169
<b>Colour Index: Constitution No.</b>	45160:2
<b>CAS Registry No.</b>	12237-63-7
<b>Chemical Name</b>	2-[6-(ethylamino)-3-(ethylimino)-2,7-dimethyl-3H-xanthen-9-yl] benzoate

### SPECIFICATIONS

<b>Masstone Shade</b>	Max. Delta E* 1.5 of Standard (DCC TM 2531A)
<b>Tint Strength (apparent)</b>	± 5% of Standard (DCC TM 2531A)
Shade & strength determinations are made with the aid of a MacBeth Colour Computer, under the following conditions: CIELAB, 10 degree observer, D65 light source, UV & gloss included.	
<b>Note:</b> Test Methods available from DCC on request.	

### PHYSICAL PROPERTIES

<b>Specific Gravity</b>	1.47g/cc (DCC TM 3101B)
<b>Oil Absorption</b>	65 (ASTM D-281-84- Fasig Method)
<b>Bulk Density</b>	2.9 lbs/gal
<b>Moisture</b>	<2.0% max. (ASTM D-280-81)

### PROPERTIES

<b>Ethyl Acetate</b>	Fair	<b>Ethyl Alcohol</b>	Fair		
<b>Glycol</b>	Fair	<b>Mineral Spirits</b>	Good		
<b>MEK</b>	Good	<b>Xylene</b>	Good		
<b>Water</b>	Very Good	<b>Lacquer Solvent</b>	Good		
<b>Dilute Acid</b>	Good	<b>Dilute Alkali</b>	Good		
<b>Heat Resistance:</b> 66°C (150°F)/15 minutes					
<b>Lightfastness Full Strength (f/o-72 hrs)</b>	Good	<b>Lightfastness 1:10 TiO<sub>2</sub> Tint (f/o 72 hrs)</b>	Fair	<b>Lightfastness 1:20 TiO<sub>2</sub> Tint (f/o 72 hrs)</b>	Poor

### RECOMMENDED APPLICATIONS

<b>Solvent Based Nitrocellulose Ink: alcohol rich</b>	■	<b>Solvent Based Polyurethane Ink</b>	■
<b>Solvent Based Nitrocellulose Ink: ester rich</b>	■	<b>Waterbased Inks</b>	●
<b>Solvent Based Polyamide Ink</b>	■	<b>Lithographic Inks</b>	■
● Frequently used      ■ Limited Use      ○ Not Normally Used			

### WORLDWIDE INVENTORIES REGISTRATION STATUS

<b>Australia (AICS)</b>	Registered	<b>Canada (DSL)</b>	Registered	<b>China</b>	Registered
<b>Europe (EINECS)</b>	Registered	<b>Japan</b>	Registered	<b>Philippines</b>	Registered
<b>USA (TSCA)</b>	Registered	<b>New Zealand</b>	Registered	<b>South Korea</b>	Registered

<b>TECHNICAL SERVICE LAB APPROVAL</b>			
<b>QUALITY CONTROL LAB APPROVAL</b>			
<b>DATE OF ISSUE</b>	19 <sup>th</sup> April 2011	<b>PAGE 1 OF 1</b>	Ver. # 1.0