DCC RED RA 511
Brilliant CF Red Pigment

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.

Chemical Type/Common Name
Organic / Rhodamine 6G (CFA) Copperferrocyanide Pink

Colour Index: Generic Name
Pigment Red 169

Colour Index: Constitution No.
45160:2

CAS Registry No.
12237-63-7

Chemical Name
2-[(6-(ethylamino)-3-(ethylimino)-2,7-dimethyl-3H-xanthen-9-yl)benzoate

SPECIFICATIONS

Masstone Shade
Max. Delta E* 1.5 of Standard (DCC TM 2531A)

Tint Strength (apparent)
± 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.

Note: Test Methods available from DCC on request.

PHYSICAL PROPERTIES

Specific Gravity
1.47g/cc (DCC TM 3101B)

Oil Absorption
65 (ASTM D-281-84- Fasig Method)

Bulk Density
2.9 lbs/gal

Moisture
<2.0% max. (ASTM D-280-81)

PROPERTIES

Ethyl Acetate
Fair

Ethyl Alcohol
Fair

Glycol
Fair

Mineral Spirits
Good

MEK
Good

Xylene
Good

Water
Very Good

Lacquer Solvent
Good

Dilute Acid
Good

Dilute Alkali
Good

Heat Resistance:
66°C (150°F)/15 minutes

Lightfastness
Full Strength (f/o-72 hrs)
Good

Lightfastness
1:10 TiO₂ Tint (f/o 72 hrs)
Fair

Lightfastness
1:20 TiO₂ Tint (f/o 72 hrs)
Poor

RECOMMENDED APPLICATIONS

Solvent Based Nitrocellulose Ink: alcohol rich
■ Solvent Based Polyurethane Ink
■

Solvent Based Nitrocellulose Ink: ester rich
■ Waterbased Inks
■

Solvent Based Polyamide Ink
■ Lithographic Inks
■

● Frequently used
■ Limited Use
○ Not Normally Used

WORLDWIDE INVENTORIES REGISTRATION STATUS

Australia (AICS)
Registered

Canada (DSL)
Registered

China
Registered

Europe (EINECS)
Registered

Japan
Registered

Philippines
Registered

USA (TSCA)
Registered

New Zealand
Registered

South Korea
Registered

TECHNICAL SERVICE LAB APPROVAL

QUALITY CONTROL LAB APPROVAL

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The information provided is based on extensive use and laboratory testing and is believed to be a reliable indication of the results that may be expected. The data is offered only as a guide to performance, without guarantee or warranty of any kind. Since many variables have a strong influence on pigment performance the user is encouraged to evaluate each product in his own laboratory.