

DCC RED 2823S

Blue Shade Naphthol AS Red Pigment



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION

DCC Red 2823S is a blue shade naphthol AS red pigment for use in ink applications. It is primarily used in nitrocellulose, polyamide and polyurethane solvent based inks where very good gloss, transparency, and rheology are required. DCC Red 2823S can replace metal azo pigments where soap and alkali resistance are essential.

Chemical Type/Common Name	Organic / Naphthol AS Red
Colour Index: Generic Name	Pigment Red 23
Colour Index: Constitution No.	12355
CAS Registry No.	6471-49-4
Chemical Name	2-Naphthalenecarboxamide, 3-hydroxy-4-[(2-methoxy-5-nitrophenyl)azo]-N-(3-nitrophenyl)-

SPECIFICATIONS

Masstone Shade	Max. Delta E* 2.0 of Standard (DCC TM 2326A)
Tint Strength (apparent)	± 5% of Standard (DCC TM 2326A)
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	1.3g/cc (DCC TM 3101B)
Oil Absorption	30 (ASTM D-281-84- Fasig Method)
Moisture	<2.0% max. (ASTM D-280-81)
% Halogen Content	Halogen Free

PROPERTIES

Ethyl Acetate	Fair	D.B.P.	Poor
Glycol	Fair	Ethyl Alcohol	Very Good
MEK	Poor	Linseed oil	Excellent
Wax (Paraffin)	Excellent	Mineral Spirits	Very Good
Water	Excellent	Xylene	Poor
Dilute Acid	Excellent	Dilute Alkali	Excellent
Heat Resistance: 120°C/30 minutes – Excellent, 200°C/10 minutes - Fair			
Lightfastness Full Strength (F/O 72 hrs.)	Fair	Lightfastness 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	●	Waster-based 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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