

# DCC YELLOW 7151

Clean Green Shade Benzimidazolone Yellow Pigment



Working Together for Quality®

## SPECIFICATIONS AND PROPERTIES

### DESCRIPTION

DCC Yellow 7151 is a high performance green shade yellow pigment for use in high-end coatings applications. It can be used in all coatings but is recommended for the highest end coatings applications where very good weatherfastness and heat stability are required. It can be used where Hansa and Diarylide pigments may fail.

|                                       |   |
|---------------------------------------|---|
| <b>Chemical Type/Common Name</b>      | Organic / Benzimidazolone Yellow  |
| <b>Colour Index: Generic Name</b>     | Pigment Yellow 151  |
| <b>Colour Index: Constitution No.</b> | 13980   |
| <b>CAS Registry No.</b>               | 31837-42-0  |
| <b>Chemical Name</b>                  | 2-[[1-[[[(2,3-Dihydro-2-oxo-1H-benzimidazol-5-yl) amino] carbonyl]-2-oxopropyl]azo]benzoic acid |

### SPECIFICATIONS

|  |  |
|--|--|
| <b>Masstone Shade</b>  | Max. Delta E* 1.5 of Standard (DCC TM 1235A) |
| <b>Tint Strength (apparent)</b>  | ± 5% of Standard (DCC TM 1235A)              |
| 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>  | 1.5 g/cc (DCC TM 3101B)          |
| <b>Oil Absorption</b>    | 33 (ASTM D-281-84- Fasig Method) |
| <b>Moisture</b>          | ≤1.0% max. (ASTM D-280-81)       |
| <b>% Halogen Content</b> | Halogen Free                     |

### PROPERTIES

|  |           |  |           |
|--|-----------|--|-----------|
| <b>Ethyl Acetate</b>   | Excellent | <b>D.B.P.</b>  | Excellent |
| <b>Glycol</b>  | Good      | <b>Ethyl Alcohol</b>   | Very Good |
| <b>MEK</b>   | Excellent | <b>Linseed oil</b>   | Excellent |
| <b>Wax (Paraffin)</b>  | Excellent | <b>Mineral Spirits</b>                                       | Excellent |
| <b>Water</b>   | Excellent | <b>Xylene</b>  | Excellent |
| <b>Dilute Acid</b>   | Very Good | <b>Dilute Alkali</b>   | Poor      |
| <b>Heat Resistance:</b> 150°C/20 minutes – Excellent, 165°C/15 minutes – Excellent |           |  |           |
| <b>Weatherfastness Full Strength (W/O -1000 hrs.)</b>                              | Excellent | <b>Weatherfastness TiO<sub>2</sub> Tint (W/O -1000 hrs.)</b> | Excellent |

### RECOMMENDED APPLICATIONS

|  |   |  |                     |
|--|---|--|---------------------|
| <b>Agricultural &amp; Construction Equipment</b> | • | <b>Architectural Latex</b>             | •                   |
| <b>Automotive OEM</b>                            | • | <b>Automotive Refinish &amp; Fleet</b> | •                   |
| <b>Building Products</b>                         | • | <b>Oil, Gas &amp; Marine</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 |

### TECHNICAL SERVICE LAB APPROVAL

### QUALITY CONTROL LAB APPROVAL

|                      |                             |                    |            |
|----------------------|-----------------------------|--------------------|------------|
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