

PIGMENT COLORS

DATA SHEET

PHTHALOCYANINE GREEN Y GT-860-D

C. I. Pigment Green 36

Polychlorobromo copper phthalocyanine; a general purpose, very yellow shade green pigment. It is yellower than GT-805-D.

TYPICAL PHYSICAL PROPERTIES*

Specific Gravity	2.9
Bulking Value	
gal/lb	0.041
L/kg	0.346
pH (aqueous slurry)	7.0
Moisture Content, %	<1
Oil Absorption	
lb/100 lb	28
g/kg	280

TYPICAL WORKING PROPERTIES*

Bleed Resistance	Excellent
Chemical Resistance	Excellent
Lightfastness	Good to Excellent
Dispersibility	Good
Heat Resistance	Excellent
Flocculation Resistance	Excellent
Transparency	Good to Excellent
Migration	None

*The typical properties listed above are based on historical production performance and on typical product performance in some, but not all, commonly used application systems. Du Pont does not make any express or implied warranty that the commercial product will have the typical properties listed above or that it will perform as shown in all end-use application systems. This product is standardized for strength, hue and intensity. Shipments will be substantially similar to a mutually agreed upon standard.

PERSONAL SAFETY

Health Hazards

Dusts resulting from handling Phthalocyanine Green Y GT-860-D are considered as inert or nuisance dusts.

The U.S. Department of Labor (OSHA) has ruled that an employee's exposure to nuisance dust in any eight-hour work shift of a forty-hour week shall not exceed a Time Weighted Average of 15 mg/m³ total dust or 5 mg/m³ respirable dust.**

The American Conference of Governmental Industrial Hygienists (ACGIH) recommends a Threshold Limit Value, TLV®, for a nuisance dust of 10 mg/m³ total dust or 5 mg/m³ respirable dust. Du Pont has elected to observe the ACGIH limit in handling Phthalocyanine Green Y GT-860-D.

Safety Precautions

Good general ventilation should be provided to keep dust concentration below nuisance dust exposure limits. A chemical cartridge mask with a suitable dust filter should be used in areas where the nuisance dust limits are exceeded. Before using, refer to Material Safety Data Sheet available from your Du Pont sales office.

DISPOSAL PROCEDURES

Comply with federal, state and local regulations.

SHIPPING

This product is not regulated as a hazardous material by the Department of Transportation.** Phthalocyanine Green Y GT-860-D is shipped in 25-kg (55.1-lb) net steel drums.

**Due to changing governmental regulations, such as those of the Department of Labor, Department of Transportation, U.S. Environmental Protection Agency, and the Food and Drug Administration, references herein to governmental requirements may be superseded. Each user should consult and follow the current governmental regulations, such as Hazard Classification, Labeling, Food Use Clearances, Worker Exposure Limitations, and Waste Disposal Procedures for the up-to-date requirements.

The information set forth herein is furnished free of charge and is based on technical data that Du Pont believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

E. I. du Pont de Nemours & Co. (Inc.)
Wilmington, Delaware 19898

U.S. Sales Offices

CHARLOTTE NC 28230
6250 Fairview Rd., P.O. Box 30517
704-364-1550

CHICAGO IL 60631
O'Hare Plaza, Suite 760
5725 E. River Rd.
312-635-1220

CLEVELAND OH (Suburban)
6100 Rockside Woods Boulevard
Suite 255
Independence, OH 44131
216-447-0868

HOUSTON TX 77056
Suite 1620, Post Oak Tower
713-877-5500

NEW YORK NY 10118
Rm 1129, Empire State Bldg.
350 Fifth Ave.
212-971-4000

PHILADELPHIA PA (Suburban)
308 E. Lancaster Ave.
Wynnewood, PA 19096
215-896-2000

SAN FRANCISCO CA 94111
Suite 3110
50 California Street
415-391-7300

International Sales Offices

IN CANADA
Du Pont Canada Inc.
Box 660
Montreal S, P.Q. H3C 2V1
514-861-3861

Du Pont Canada Inc.
P.O. Box 2300
Streetsville Postal Station
Mississauga, Ontario L5M 2J4
416-821-5594

IN EUROPE
Du Pont de Nemours International S.A.
P.O. Box
CH-1211
Geneva 24, Switzerland
022-278111

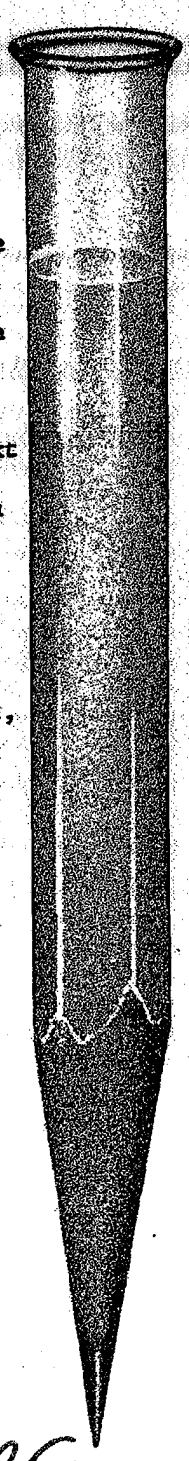
IN THE FAR EAST
Du Pont Far East Inc.
Kowa Building No. 2
11-39 Akasaka 1-chome
Minato-ku
Tokyo 107, Japan
585-5511

DU PONT
REG U.S. PAT. & TM. OFF.

E-43013 6/81 (300) Printed in U.S.A.

DUP050071297

CHEMICALS AND PIGMENTS
TECHNICAL SERVICE LABORATORY · CHESTNUT RUN



NEW PIGMENT INTRODUCTION
MONASTRAL® GREEN Y GT-860-D

A new, yellower shade, more intense copper phthalocyanine green, GT-860-D, is being introduced to complement and ultimately replace GT-805-D. Both the yellower hue and increased intensity of the new product are promotable advantages compared with GT-805-D. These two factors allow a broader styling range since more color blends can be made using new GT-860-D than with GT-805-D.* Also, its greater intensity provides potential for lower use cost greens.

Our intention is to continue to supply GT-805-D for the next 12-18 months and to convert customers to GT-860-D. For new customer promotions, GT-860-D is a suitable alternate for BASF's 9360 and American Hoechst's 16-2015. The recently obsoleted Ciba-Geigy Monarch Green VY can be reasonably matched by blending GT-860-D and Monastral® Green G GT-751-D.

Exhibits comparing the color of GT-860-D with GT-805-D in typical automotive and trade sales paints are attached. The yellower hue and greater intensity for GT-860-D are most apparent in the dark tint, Trade Sales paint 10/90 exhibit.

As with all new products, we encourage full customer evaluation in their formulas prior to adoption. To support this effort, Technical Service is prepared to provide computer color matching suggestions and, where business potential is sufficiently large, system studies.

Commerical quantities of GT-860-D are available; samples can be ordered in the normal way.

For further technical assistance, contact J. Mackiewicz at Chestnut Run, 999-3485.

---

* Introduction of yellow, intense GT-860-D and the bluer restandardization of GT-674-D (see Lab Note 81-9) increases the color blending range of our green line.

JAM/jmc
5/28/81

Lab Notes

The information set forth herein is furnished free of charge and is based on technical data that Du Pont believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.