

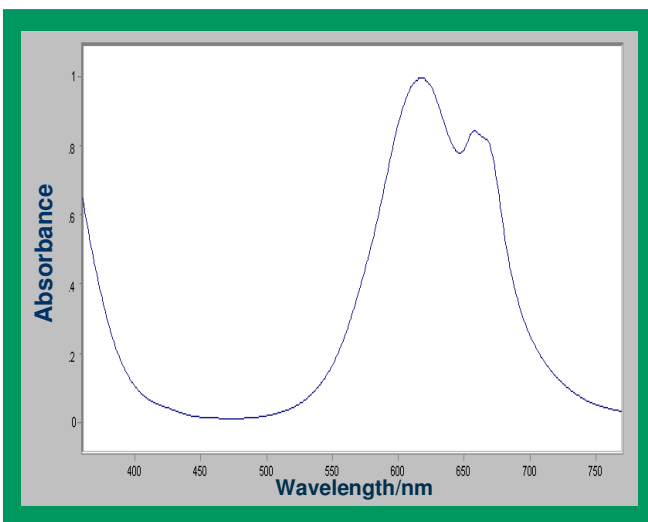
## Pro-Jet™ Cyan 1 Liquid

▶ **A multipurpose cyan dye-based liquid for a wide range of aqueous inkjet applications**

- ▶ Bright all round dye performance for a range of applications
- ▶ Highly purified to ensure low salt and metal content
- ▶ Good compatibility with a range of ink formulants
- ▶ Manufactured specifically for ink jet use
- ▶ Internationally registered



Typical Properties	
Chemical Class	Sulfonated copper phthalocyanine dye
Strength	Liquid product contains nominally 10% active colorant
Typical loading in ink vehicle	50% w/w
pH Stability Range	6.0 - 8.0



Spectral Properties (in solution)	
Solution OD:	0.97 - 1.03 (@ 200 ppm)
λ max:	ca 617 nm
Physical Analysis	
Filterability:	Passes 0.45 micron
Viscosity at 25°C:	1.3 - 1.9 cps
Surface Tension at 25°C:	>/ = 60 dynes cm <sup>-1</sup>
Chemical Analysis	
Metals	Fe < 5 ppm
	Ca < 5 ppm
Salts	Cl < 100 ppm
	SO <sub>4</sub> < 100 ppm

### Related Dye-Based Liquids

Other Pro-Jet products in this range

- ▶ Pro-Jet™ Magenta 1
- ▶ Pro-Jet™ Magenta 3B-OA
- ▶ Pro-Jet™ Violet 631

Other Pro-Jet Cyan products

- ▶ Pro-Jet™ Cyan 2

- ▶ Pro-Jet™ Yellow 1
- ▶ Pro-Jet™ Yellow 1G
- ▶ Pro-Jet™ Yellow 492

- ▶ Pro-Jet™ Fast Black 1
- ▶ Pro-Jet™ Black 168

- ▶ Pro-Jet™ Cyan GLF

Print Properties	Plain Paper	Photo Paper (Swellable)	Photo Paper (Microporous)
ROD	1.15	1.73	1.95
L*	56	53	58
a*	-10	-34	-42
b*	-44	-43	-42
C	48	54	60
Hue	246	232	225
Light fastness (delta E)	n/a	14	4

### Wet Fastness (Plain Paper)

Rated 6/10 on arbitrary scale where 1 = severe bleed and 10 = no bleed.

Prints prepared using a generic ink formulation containing 3.5% dye and having an ink pH of 8-9.

Spectral measurements carried out with Gretag Macbeth Spectrolino with D65 illumination and 2 degree observer.

Fade carried out using an Atlas Ci5000 Weatherometer for 100 hours at 70% density.

### Product Registration

PRO-JET Cyan 1 Liquid is notified under the applicable toxic/regulatory statutes in EU, USA, Canada, Australia, Japan, Korea, China, Switzerland and the Philippines. Please check full product registration with your local FFIC sales manager.

### Product Packaging

This product is available in 20kg and 200kg packages as standard and must be kept frost-free.

### Product Safety

Please refer to the product MSDS which is available in most major European languages, in both EU and US format.

**For further information on Pro-Jet™ dye-based liquids please contact:**

#### EUROPE

FUJIFILM Imaging Colorants Ltd.  
Earls Road  
Grangemouth  
Stirlingshire  
FK3 8XG  
Scotland

Tel: +44 (0) 1324 468468  
Fax: +44 (0) 1324 483537

#### USA

FUJIFILM Imaging Colorants Inc  
233 Cherry Lane  
New Castle  
DE 19720  
USA

Tel: +1 800 552 1609  
Fax: +1 302 477 8025

#### JAPAN

Fine Chemicals Business Group  
Industrial Products Division  
FUJIFILM Corporation  
7-3, Akasaka 9-Chome, Minato-ku,  
Tokyo 107-0052  
Japan

Tel: +81 3 6271 3040  
Fax: +81 3 6271 3164

e [projet@fujifilmic.com](mailto:projet@fujifilmic.com)

[www.fujifilmimagingcolorants.com](http://www.fujifilmimagingcolorants.com)

The information contained in this publication is based upon in-house testing by FUJIFILM Imaging Colorants and is accurate to the best of our knowledge, information and belief at the date of publication. Nothing herein is to be construed as a warranty, express or otherwise. In all cases, it is the responsibility of the users to determine applicability of such information or the suitability of any products for their own particular purpose and their freedom to operate with respect to patents.

Supply of this product is subject to FFIC's standard terms and conditions.

Pro-Jet™ is a trademark of FUJIFILM Imaging Colorants Limited.  
The FUJIFILM name and logo are trademarks owned by FUJIFILM Corporation.

September 2011

**innovatingenablingcoloring**