



**KEYSTONE**

KEYSTONE ANILINE CORPORATION

## DYES FOR INKS

Writing and Marker Inks / Ink Jet

*Changing the way you think about color*





## DYES FOR INKS Writing and Marker Inks / Ink Jet

- **Keyacid powder dyes**
- **Keyacid/ Keyamine/ Keyreact liquid dyes**
- **Keyazine powder dyes**
- **Keyfast Spirit powder dyes**
- **Keystone Liquid Oil dyes**
- **Keystone R-O dyes**
- **Morfast™ dyes**

Keystone offers a very wide and complete range of dyes for use in all aspects of writing inks, markers, highlighters, and ink-jet applications. Keystone dyes are made in both powder and liquid forms for both aqueous and solvent based systems.

A brief summary of various ink applications along with recommended Keystone dye groups is followed by a complete listing of the dyes.

### INK APPLICATIONS AND RECOMMENDED KEYSTONE DYE GROUP

Application	Dye Group
<b>Fiber Tip Pens (aqueous)</b>	Keyacid powders Keyacid/ Keyamine/ Keyreact liquids Keyazine powders
<b>Fiber Line Pens (aqueous)</b>	Keyacid powders Keyacid/ Keyamine/ Keyreact liquids Keyazine powders
<b>Roller Ball Pens</b>	Keyacid powders Keyacid/ Keyamine/ Keyreact liquids Keystone R-O liquids
<b>Overhead Projection Pens</b>	Keyacid powders Keyacid/ Keyamine/ Keyreact liquids Keystone R-O liquids
<b>Highlighter Markers</b>	Keyacid powders Keyacid/ Keyamine/ Keyreact liquids
<b>Felt Pen Markers (solvent)</b>	Keystone Liquid Oil dyes Morfast™ liquids Keyfast Spirit powders
<b>Ink Jet (aqueous)</b>	Keystone R-O liquids
<b>Ink Jet (solvent)</b>	Morfast™ liquid Keyazine powders (alcohol systems only)



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**KEYSTONE KEYACID POWDER DYES**

Keyacid powder dyes are extremely high strength colorants soluble in water and glycols and can also be used in alcohol and glycol ether systems. Keyacid powder dyes have little or no standardizing salts added such as chlorides and sulfates, however these may be present in small quantities from the reaction process of the dye. For applications that require virtually salt free dye, Keystone R-O dyes should be considered.

Product Name / Code	Color*
<b>Keyacid Chinoline Yellow Super</b> 80100385	
<b>Keyacid Pyranine 10G</b> 40600760	
<b>Keyacid Tartrazine W Super</b> 80102371	
<b>Keyacid Metanil Yellow Super</b> 80103654	
<b>Keyacid Orange Y</b> 50100750	
<b>Keyacid Eosine OJ Super</b> 60108780	
<b>Keyacid Brill Red XB Super</b> 60105285	
<b>Keyacid Violet 5BNS Super</b> 70101760	
<b>Keyacid Blue FG</b> 20100950	
<b>Keyacid Ink Blue P</b> 20109350	
<b>Keyacid Brilliant Green G</b> 40172050	
<b>Keyacid Nigrosine 02P Super</b> 10100247	

**KEYSTONE KEYACID, KEYAMINE AND KEYREACT LIQUID DYES**

Keyacid, Keyamine and Keyreact Liquid dyes are exceptionally high strength, anionic, aqueous based liquid concentrates with generally very low salt contents.

Product Name / Code	Color*
<b>Keyacid Uranine K Liquid</b> 80107342	
<b>Keyacid Metanil Yellow Liquid</b> 80103643	
<b>Keyacid Tartrazine W Liquid</b> 80102333	
<b>Keyamine Red 8BL Liquid</b> 60525450	
<b>Keyacid Brill Red XB Liquid</b> 60105233	
<b>Keyreact Red F3B Liquid</b> 60918031	
<b>Keyacid Orange Y Liquid</b> 50100740	
<b>Keyacid Blue FG Liquid</b> 20100931	
<b>Keyamine Turquoise FBL Liquid</b> 20519948	
<b>Keyamine Direct Black SP Liquid</b> 10540742	
<b>Keyacid Nigrosine 2BP Liquid</b> 10100231	

\* The color shades illustrated within this technical bulletin are designed to give a general idea of the color characteristics of each dye, not a guarantee of how the dye will look in a particular formulation. Different viewing monitors and screen resolutions as well as the specific application may give a different variation of the actual color.



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### KEYSTONE R-O LIQUID DYES

Keystone R-O liquids are highly refined, liquid dyes with exceptionally low salts content (chlorides and sulfates) for use in ink jet and other exceptionally salt critical applications.

Product Name / Code	Color*
<b>Keyacid Tartrazine RO liquid</b> 801-023-22	
<b>Keyamine Yellow RL-RO liquid</b> 805-086-82	
<b>Keyacid Magenta XB-RO liquid</b> 601-052-72	
<b>Keyreact Red F3B-RO liquid</b> 609-180-82	
<b>Keyamine Blue FG-RO liquid</b> 201-009-72	
<b>Keyamine Blue GB-RO liquid</b> 205-199-72	
<b>Keyamine Black F-RO liquid</b> 105-168-42	
<b>Keyamine Black G-RO liquid</b> 105-019-72	

### KEYSTONE KEYAZINE DYES

Keyazine dyes are cationic, exceptionally brilliant and high strength powders with no added salt diluent. Keyazine dyes are water soluble but for ink applications are most widely used in alcohol, glycol or glycol ether systems.

Product Name / Code	Color*
<b>Keyazine Yellow DEA</b> 80303752	
<b>Keyazine Rhodamine 6GDN</b> 60300160	
<b>Keyazine Rhodamine HDC</b> 60300175	
<b>Keyazine Rhodamine B 500%</b> 70301050	
<b>Keyazine Rhodamine F3B</b> 70301150	
<b>Keyazine Crystal Violet 6B</b> 70300350	
<b>Keyazine Victoria Blue BO-ZF</b> 20300750	
<b>Keyazine Black DS-G</b> 10340553	

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