



Wilflex™ Epic puts the most advanced non-phthalate ink technology to work for you. Simple to use and easy to print, Epic inks are based on well-known and time-tested formulations from our classic line of inks. The Epic line now features a full range of products including: a finished ink mixing system, a base and pigment mixing system, texture inks, specialties, metallics, and many others. For market conditions that require non-phthalate inks, make the move to Wilflex Epic.

## Compliance

- ▶ CPSIA 2008 (Consumer Product Safety Improvement Act)
  - Section 101, Lead Content in Substrates (<100 ppm lead); 16 CFR, Part 1303, Lead in Paint (<90 ppm lead)
  - Section 108, Phthalates (<.1% DEHP, DBP, BBP, DINP, DIDP, DNOP)
- ▶ Eco Passport Certified (Oeko-Tex Standard 100)

## Product Highlights

- ▶ Formulated without phthalates
- ▶ Excellent press performance
- ▶ Excellent high-speed wet-on-wet printing
- ▶ Easy to use color mixing systems for accurate Pantone® simulations and custom color formulations
- ▶ Smooth satin finish
- ▶ Proven technology platform
- ▶ Supports a wide range of specialty products and applications

## Product Benefits

### Save time

- ▶ No special setups or screens required
- ▶ Mix colors faster and more accurately, first time - every time
- ▶ Reduced downtime by leaving inks in the screens during breaks and end of the day closing

### Reduce waste

- ▶ Epic inks will not dry in the screen or in the bucket
- ▶ Reduce unused ink inventories by using a color mixing system
- ▶ Compatible with spot gun to remove unwanted ink blemishes

### Improve productivity

- ▶ Print more shirts in less time with high speed production
- ▶ Stable ink formulations maintain color balance on press
- ▶ Start and stop production, as needed, without cleaning screens



## Commonly Asked Questions

### What are phthalates?

Phthalates are a class of commonly used plasticizers used to create a flexible plastic film. Plasticizers are used in inks to add flexibility, softness and elongation. While phthalate and non-phthalate plasticizers provide similar functionality, they are differentiated by their chemical structure.

### How is Epic different from the ink I use now?

Epic is our highly productive, flexible and proven ink technology that is manufactured with non-phthalate plasticizers.

### Will Epic inks look and feel like conventional plastisol inks?

Yes! All inks compare favorably with Wilflex Classic inks.

### Can I mix Epic with other inks or additives?

To avoid contamination, Epic inks should only be used in conjunction with Epic inks and Epic additives.

### What about cross contamination?

Proper precautions and procedures must be followed to ensure the non-phthalate integrity of the Epic inks. Cross contamination can occur in multiple locations in the production environment.

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### Additives

10025VB.....QEC Viscosity Buster  
 10180EA.....QEC Emboss Additive  
 10840SHA.....QEC Soft Hand Additive  
 10080FRA.....EC Foil Resist Additive  
 10070PFXCR....Epic Curable Reducer  
 10150PFXFNS..Epic Finesse  
 QEC Dulling Paste  
 QEC Thickener 2  
 QEC Thickener 3  
 EC Flash Additive  
 Hugger Catalyst

### Bases

15000PFB.....Epic PF Mixing Base  
 10000PFX.....Epic PF Extender Base  
 10005PFX.....Epic Stretch Base  
 10000PFXHB...Epic Halftone Base  
 10010PFXMB...Epic Metallic Base  
 10012PFXPB....Epic Particle Base  
 10280PFXFB....Epic Flock Adhesive Base  
 10099PFXATH Epic Athletic LB Base  
 11422PFXMSH.Epic Nylon Mesh Base

### Clears

10000PFXB...Epic Brittle Clear  
 10008PFX.....Epic Special Effects Clear  
 10140PFXSHC..Epic Soft Hand Clear  
 10009PFXCLR.Epic HD Clear 2  
 10088PFXHDC Epic HD Sharp Clear

### Whites

11835PFW.....Epic Quick White  
 11335PFW.....Epic Sprint White  
 11195PFW.....Epic Athletic LB White  
 11117PFW.....Epic PolyWhite  
 11000PFXMSHEpic Nylon Mesh White  
 11000PFXBB....Epic Brittle White  
 11000PFXNPF..Epic NuPuff White

### Blacks

19000PFX.....Epic Matte Black

**\*See color card for pre-mix colors.**

### Process Color Set

69850PFX.....Epic Process Cyan  
 69855PFX.....Epic Process Tone Cyan  
 49850PFX.....Epic Process Magenta  
 49855PFX.....Epic Process Tone Magenta  
 89850PFX.....Epic Process Yellow  
 89855PFX.....Epic Process Tone Yellow  
 19850PFX.....Epic Process Black

### Specialty Bases

10250PFXNPF..Epic Nupuff Base  
 10340PFXFSB..Epic Fashion Soft Base  
 10399PFXNB...Epic Nova Base  
 10425PFXNS....Epic Natural Suede Base  
 10460PFXBB...Epic Brittle Base  
 10650PFXSCP..Epic Sculpture Base  
 10670PFXRB....Epic Rock Base  
 10700PFXPB....Epic Plush Base  
 10950PFXFB....Epic Frost Base  
 18000PFXCB...Epic Cork Base

### Specialty

15330PFX.....Epic Silver Glitter  
 89010PFX.....Epic Gold Glitter  
 10988PFXLS....Epic Liquid Silver  
 10989PFXLG....Epic Liquid Gold  
 15370PFX.....Epic Silver Shimmer  
 85370PFX.....Epic Gold Shimmer  
 85470PFX.....Epic Brt. Gold Shimmer  
 85570PFX.....Epic Ultra Gold Shimmer  
 15340PFX.....Epic Yellow Sparkle  
 99900PFX.....Epic Phosphorescent  
 99950PFX.....Epic Kosmic Glo  
 99951PFX.....Epic Intense Kosmic Glo  
 190000PFXREFEpic ImageBrite Black Ref.  
 10344PFXREF...Epic ImageBrite Ref. Base  
 144295PFXREFEpic ImageBrite Mid Grey Ref.  
 144298PFXREFEpic ImageBrite Dark Grey Ref.  
 15325PFXREF...Epic ImageBrite Metallic Ref.

### Performance™ Series

10545PFX.....Epic Performance UB Gray  
 11005PFX.....Epic Performance White  
 18600PFX.....Epic Performance Base  
 19000PFXPB...Epic Performance Black  
 80000PFXPB..Epic Performance Gold

### Color Mixing System (PC Express)

61011PC.....Epic Extra White PC  
 61040PC.....Epic Red PC  
 61045PC.....Epic Maroon PC  
 61047PC.....Epic Magenta PC  
 61057PC.....Epic Violet PC  
 61165PC.....Epic Marine Blue PC  
 61068PC.....Epic Blue PC  
 61160PC.....Epic Bright Blue PC  
 61070PC.....Epic Green PC  
 61083PC.....Epic Blaze Gold PC  
 61087PC.....Epic Bright Yellow PC  
 61094PC.....Epic Velvet Black PC  
 61130PC.....Epic Bright Orange PC  
 61800PC.....Epic Electron Yellow PC  
 61801PC.....Epic Electron Blue PC  
 61806PC.....Epic Electron Red PC  
 61802PC.....Epic Electron Green PC  
 61904PC.....Epic Fluo. Pink PC  
 61908PC.....Epic Fluo. Purple PC  
 61905PC.....Epic Fluo Neon PC  
 61145PCNM.....Epic Red B/S PCNM PC  
 61187PCNM.....Epic Yellow PCNM PC  
 Epic PC Express Starter Kit (qt./1G base)  
 Epic PC Express Kit +5G Base (pt./5G base)

### Color Mixing System (Equalizers)

71011PC.....Epic Equalizer PC White  
 71040PC.....Epic Equalizer PC Red  
 71045PC.....Epic Equalizer PC Maroon  
 71047PC.....Epic Equalizer PC Magenta  
 71057PC.....Epic Equalizer PC Violet  
 71068PC.....Epic Equalizer PC Blue  
 71160PC.....Epic Equalizer PC Bright Blue  
 71070PC.....Epic Equalizer PC Green  
 71087PC.....Epic Equalizer PC Yellow  
 71094PC.....Epic Equalizer PC Velvet Black  
 71130PC.....Epic Equalizer PC Bright Orange  
 71165PC.....Epic Equalizer PC Marine  
 71040PC.....Epic Equalizer PC Red (Y/S)  
 71145PCNM.....Epic Equalizer PCNM Red (B/S)  
 71187PCNM.....Epic Equalizer PCNM Yellow  
 Epic Equalizer Starter Kit (qt./1G base)  
 Epic Equalizer Express Kit +5G Base (pt./5G base)

### Color Mixing System (MX Finished Ink)

11888PFX.....Epic PF Mixing White  
 11889PFX.....Epic PF Hilite White  
 19888PFX.....Epic PF Black  
 38888PFX.....Epic PF Orange  
 48888PFX.....Epic PF Red  
 48889PFX.....Epic PF Magenta  
 58888PFX.....Epic PF Violet  
 68888PFX.....Epic PF Marine  
 68889PFX.....Epic PF Blue  
 78888PFX.....Epic PF Green  
 88888PFX.....Epic PF Yellow  
 98880PFX.....Epic PF Fluorescent Pink  
 98884PFX.....Epic PF Fluorescent Red  
 98885PFX.....Epic PF Fluorescent Purple  
 98886PFX.....Epic PF Fluorescent Blue  
 98888PFX.....Epic PF Fluorescent Yellow  
 88881PFXNM..Epic Yellow NM  
 48881PFXNM..Epic Red NM  
 Epic MX Starter Kit (qts.)

### Analytical Report Summary

Bureau Veritas (Consumer Product Services Germany GmbH-ecb ONLINE) Laboratory accreditation – qualified to ISO /IEC 17027, EN 45001. EU accreditation No AKS-P-21303 –EU. Review ecb ONLINE report for Epic ink test method and results.

**Phthalates:** DINP, DEHP, DNOP, DIDP, BBP, DBP: Non-detected.

**Heavy Metals:** Cadmium, Chromium, Lead, Mercury: Non-detected.

**Organotin:** Tributyl tin (TBT), Triphenyl tin (TPHT), Monobutyl tin (MBT), Dibutyl tin (DBT), Tetrabutyl tin (TeBT), Monoctyl tin (MOT), Dioctyl tin (DOT): Non-detected.

**Formaldehyde:** ISO 14184: Non-detected or below RSL quantity (Fluo's only).

EN71: Garments to be printed with Epic for children's wear, which may be chewed or sucked complies with EN71 Part 3: 1988 Safety of Toys –Specification for Migration of Certain Elements.

APEO'S (alkylphenol ethoxylates): PolyOne does not intentionally use nonylphenol ethoxylates (NPE), octylphenol ethoxylates (OPE) or alkylphenol ethoxylates (APEO) as a component in Wilflex inks. This statement is based upon information supplied to us by our suppliers and not actual product testing.