



1000 Line UHS Inks

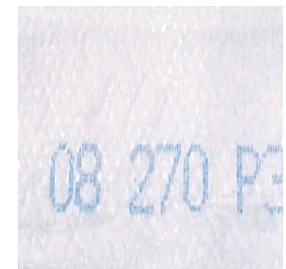
# V543

## Description

V543 is a wetness-indicating/washable Blue Ethanol ink qualified for use in the Videojet 1000 Line UHS continuous inkjet (CIJ) printers. This ink becomes invisible when exposed to water or other water-based liquids. It is primarily used as a visual wetness indicator.

## Benefits

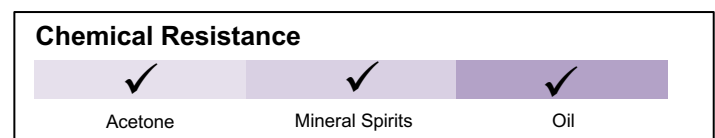
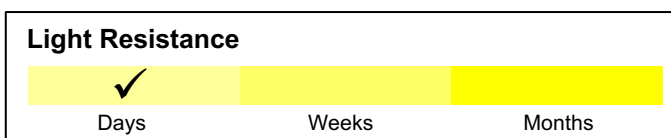
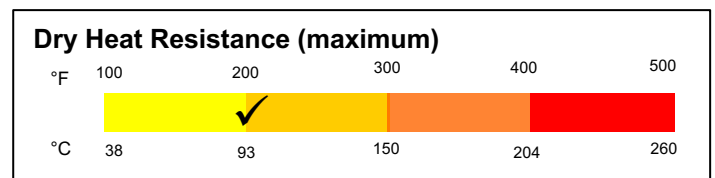
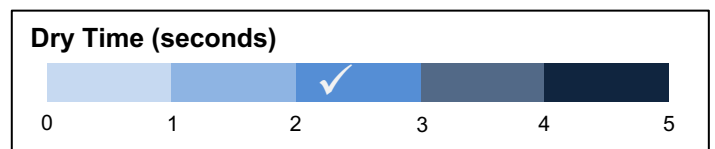
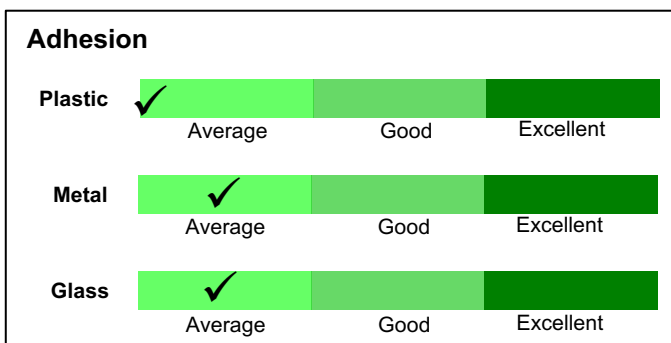
- iQMark™ low odor ink offering:
  - Low odor ethanol solvent base
  - No MEK, no acetone, no methanol
  - Cosmetic grade – approved for skin contact
  - No European Printing Ink Association (EuPIA) Exclusion List materials
  - No CMR's (Carcinogens, Mutagens, Reproductive Toxins)
  - Manufactured using food grade materials and industry standard Good Manufacturing Practices (GMP)
- Water soluble – easily removed using plain water or other water-based liquids
- Resistant to acetone, gasoline, Mil Spec Solvent C, mineral spirits, and oils



## Applications

V543 is ideal for coding on personal care products. It is used as a wetness indicator on absorbent diaper and incontinence products. The ink dissolves completely when exposed to water or water-based fluids.

Secondary Applications include marks/codes intended for temporary in-plant batch or lot identification onto trays or batch containers that require very easy removal using a simple water solution. Other similar “removal” inks exist, but they all require water-based caustic or light soap solutions.



# V543

## 1000 Line UHS Inks

### Specifications

Product	Product Type	Color	Solvent Type	Container Size	Shelf life
V543	Ink	Black	Ethanol	750 ml (-D)	18 months*
V834	Make-up	Colorless to pale yellow	Ethanol	750 ml (-D)	24 months*
V906	Cleaner	Colorless to pale yellow	Ethanol	1 liter (-Q)	30 months*

**Storage** \*Store between 2°C and 35°C.

### Printer Parameters

Qualified Models	Operating Temperature	Operating Humidity	Nozzle Compatibility
1620 UHS, 1650 UHS	5-45°C*	10-90%**	50µm

**Special Operating Requirements** \*\*Air Drier Kit Mandatory – all conditions

### Certifications and Approvals

**iQMark™:** V543 ink was responsibly designed and manufactured to maximize contrast, adhesion, and uptime while meeting safety, environmental, and regulatory requirements. Every batch is tested to ensure it meets strict quality control specifications.

**Heavy Metals:** V543 ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.\*\*\*

**RoHS:** V543 ink meets the requirements of the RoHS 2 Directive 2011/65/EU and Directive (EU) 2015/863. For more information, refer to Knowledge Article 1159.\*\*\*

**REACH:** V543 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.\*\*\*

**Halogens:** V543 ink meets the International Electrotechnical Commission (IEC) definition of Halogen-Free. For more information, refer to Knowledge Article 7920.\*\*\*

**Food Packaging:** V543 ink may be used on the non-food contact side of food packaging. The packaging must provide a barrier between the ink and the food. When used in this manner, the inks are in compliance per 21 CFR 170.3(e)(1), Regulation (EC) No. 10/2011, and Regulation (EC) No. 2023/2006. For more information, refer to Knowledge Article 7921.\*\*\*

**Other:** V543 ink does not contain major allergens, animal based raw materials, nor organisms, genetically modified or not. For more information refer to Knowledge Articles 1148, 1190, and 1152.\*\*\*

\*\*\*Environmental, Health, Safety, and Regulatory information can change without notice, consult the current Safety Data Sheet (SDS) which is available on the Videojet website. Knowledge Articles are available by calling or emailing Videojet.

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Videojet Technologies Inc.  
1500 Mittel Blvd. Wood Dale IL 60191 / USA



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