



www.kaoprint.com

## Inks for Eco-friendly, Sustainable Production

Sustainability goes beyond inks in the printing industry, reaching into every aspect of the printing business — from the process to people, to profitability. Kao offers eco-friendly inks and expertise to support your sustainability goals and comply with stringent industry requirements for safer work environments, reduced emissions, and resource conservation.

### ADVANTAGES OF KAO'S SUSTAINABLE INKS

- Reduce costs for hazardous disposal
- Improve brand equity
- Meet consumer demands
- Lower risk of ink migration
- Conserve scarce resources
- Energy-cost reductions
- Low VOCs

### AVAILABILITY

- Continuous supply
- No minimum order
- Single cartridges, bulk supply systems, and bulk packaging
- Black, spot colours and CMYK+

Supported Applications
Numerous industries are adopting eco-friendly inks for a wide variety of printing applications.
Wide-format signage printing
Food and beverage packaging
Direct-to-object printing
Cardboard boxes
Publishing

### ECO-FRIENDLY INKJET INKS

#### Eco-friendly LUNAJET Nanodispersion Water-Based Ink

One of Kao's latest ink innovations, this eco-friendly, water-based pigment ink produces excellent single-pass CMYKW printing on flexible packaging and thin films.

- Eco-friendly
- Food-Package grade\*
- Even wetting
- High pigmentation for vibrant colours
- Durable with no cracking or peeling

#### Bio-based Mineral-oil-free Ink for Cardboard

These sustainable piezo inks meet compliance requirements for increasingly stringent environmental legislation and regulations worldwide and are formulated to replace petroleum-based inkjet inks for secondary packaging.

- Eco-friendly
- No hazardous pollutants (HAPs)
- Compostable
- Alternative for oil-based inks
- Meet strict European standards

#### Electron Beam Curable Inks (EB)

EB-curable inks cure instantaneously using high-energy electrons without photoinitiators, making them a viable option for printing food and pharmaceutical packaging. The substrates maintain integrity because the electron-beam curing process produces no heat. Our CMYK inks for Piezo printing systems release no odours and are non-hazardous.

- No photoinitiators
- No VOCs or odours
- Food-grade\*
- Complete curing
- High durability
- No-heat curing

#### Solvent Inkjet Inks

Solvent inks sealed in cartridges for TIJ and piezoelectric printing systems reduce VOC emissions by up to 90% compared to continuous inkjet technology. The sealed cartridges also reduce cleanup and required chemicals.

\*These inks are produced by Kao and have undergone extensive lab and production testing. Third-party regulatory compliance testing may also be necessary for evaluating ink migration.



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### TALK TO AN EXPERT

Our chemists and engineers, with experience across industries, partner with you to create optimum solutions.

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