

# Environment, Health and Safety Facts about Xerox<sup>®</sup> Dry Ink Toner



- Xerox® dry ink toner is non-toxic and does not generate hazardous waste (based on U.S. Federal regulations). This is the result of careful selection of materials and control of the raw material ingredients.
- Xerox® products have been designed to ensure that emissions are well below the appropriate regulatory requirements. To ensure that the equipment is performing as intended, Xerox recommendations must be followed for placement, maintenance, and room ventilation. Proper maintenance of the products, as directed in the appropriate Xerox collateral, will ensure optimal performance of the equipment and highly controlled, low level chemical and dust emissions.
- Prints made with the Xerox® dry ink toners are readily recyclable using standard de-inking processes.
- Unlike some liquid ink technologies used in the industry today, Xerox® dry toners use no petroleum distillates. Petroleum distillates are combustible, produce oil waste that needs to be carefully managed, and potentially contribute to volatile organic compound (VOC) emissions in the work environment.
- Sometimes customers wonder how our toners compare to vegetable-based inks such as “soy inks”. The use of soy-based inks is desirable in traditional offset printing because, by substituting the soy oil for part of the petroleum oil, volatile organic emissions are reduced. In contrast, the Xerox® production presses such as iGen use dry toners, not liquid inks. Toners are fine powders composed of plastics, colorants, and small quantities of functional additives. Since Xerox® toners are safe and non-toxic and because Xerox® products are designed to adhere to strict emission standards, emissions of volatile organic compounds during printing should not be a concern (as it might be in offset printing and some digital liquid ink technologies).
- Xerox provides a mechanism for customers to return empty toner bottles and cartridges for recycling via our Green World Alliance – see [www.xerox.com/gwa](http://www.xerox.com/gwa)
- Xerox has been recycling waste toner material for many years in two ways:
  - As part of the manufacturing process, conventional toner that does not meet the size specifications is recycled back into the toner making process.
  - Post-consumer waste toner is returned to Xerox from selected products, where it is “recycled” back into the manufacturing process and is reused. Each year, over one (1) million pounds is returned.
- Xerox® Emulsion Aggregation (EA) advanced toner further reduces the environmental impact of printing. These toners are energy efficient in their manufacturing, and during use, reduce the energy investment per page compared to conventional toner. This is achieved because, compared to conventional toner, more prints can be made per pound of EA toner.



For more information about environmental programs at Xerox, visit:

[www.xerox.com/environment](http://www.xerox.com/environment)

Questions:

1.800.ASK.XEROX (1.800.275.9376)

[askxerox@xerox.com](mailto:askxerox@xerox.com)