

## Comply with new GHS Drum Label Requirements

### Ideal print-on-demand color solutions

Industrial Chemical and Oil companies are gearing up to meet the changes brought about by the emerging Globally Harmonized System of Classification and Labeling of Chemicals (GHS). A significant investment of resources will be required to make Material Safety Data Sheets (MSDS) and hazard communications systems compliant. Labels will be a key component of this change and on-demand color printing will be crucial to an easy and cost effective transition.

Lexmark's color laser printers are ideal for this task. They offer newly enhanced toner and color-science that provides crisp, consistent color images. Lexmark has been the recognized leader for complex media output needs for over a decade. Our color lasers are the best alternative for producing durable images that are fade-resistant and scratch-resistant for hazardous material drum labels.

#### Compliance made easy

The new Globally Harmonized System (GHS) for labeling of chemicals will require a set of pictograms in addition to the hazard and precautionary statements that communicate workplace hazards. Most of these images include the addition of a color printed symbol. Legacy monochrome printing platforms limit your ability to quickly and efficiently add these new symbols to your current label designs. Lexmark color devices print on-demand high quality durable drum labels from the leading media providers where and when they are needed.

### Sample GHS Pictograms



Label and pictogram images courtesy of Brandywine Drumlabels LLC.

#### More About GHS



GHS (Globally Harmonized System of Classification and Labeling of Chemicals) provides uniform criteria for classifying substances and mixtures according to their health, environmental and physical hazards, plus consistency for hazard communications, including requirements for labeling MSDS. GHS is intended to provide a common and coherent approach to defining and classifying hazards, and communicating information on data sheets and labels.

Harmonized criteria, symbols and warnings will promote an improved understanding of hazards and thus help to protect workers and other potentially exposed populations. A more uniform, "harmonized" system should also reduce costs for companies involved in international trade.

**Color on-demand: one product does it all**

With the price of printing color now approaching monochrome costs, there are no longer any barriers to converting to color printing for your warehouse. Plus there are many advantages once you make this change. Instead of discarding old preprinted label stock when new regulations like GHS arise, manufacturers can print the entire label – both color and black fields – onto a blank label. If you need a new image for changing standards, or perhaps different corporate logos, on-demand color printing makes this possible.

Other rationales include:

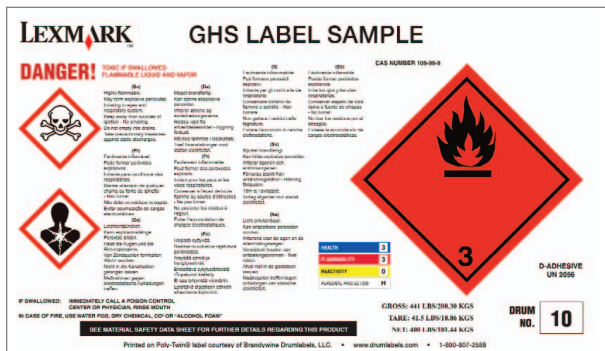
- no minimum print quantities
- inventory of a single blank label stock
- no production delays
- quick response to change

**Increase label quality, consistency and durability**

The old way of maintaining stacks full of various pre-printed labels has been replaced with on-site color printing available with Lexmark devices. By purchasing blank label stock and printing on-demand, you save money, simplify management of inventory, and respond more quickly to changing needs.

Most on-demand color laser printers cannot meet the complex mix of image quality, consistency and durability necessary for hazardous drum labels. Leading polyester label media providers use our devices to provide color on-demand drum labels which comply with ANSI, OSHA, DOT and EU Standards, as well as the BS5609 standard for 90 Day Seawater Submersion.

With Lexmark’s on-demand printing solution, compliance is made easy, plus you save money and valuable resources.



**Value and Performance**

Exceptional print quality and proven media handling capabilities.

- Color output up to 40 ppm
- Broad media type capabilities
- Duplex standard
- Consistent user interface

**Lexmark: Responsible Eco-Leadership**

**Responsible Provider of Products and Services**

- EPA's Design for the Environment (DtE) Program
- Packaging Reduction Initiatives
- Product Eco-Labels
- Cartridge Collection Programs
- Product Collection Programs
- Reduce, Reuse, Recycle Campaign

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