



FEATURES / BENEFITS

- Easy Label Design with GHS Pictograms, Signal Words & Hazard Information
- Reduced Risk of Non-Compliance
- Variable On-Demand Printing
- Reduced Re-prints & Material Costs
- BS5609 Certified Material/Ink Combinations
- IMDG Compliance
- Custom Manufactured Blank or Pre-Printed Labels
- Best-in-Class Color Thermal Transfer, Inkjet, or Laser Printing

APPLICATION BRIEF

GHS Labeling



The Challenge

OSHA has updated the requirements for labeling of hazardous chemicals under its Hazard Communication Standard (HCS) to bring the United States into alignment with the UN's Globally Harmonized System (GHS) of Classification and Labeling of Chemicals. As of June 1, 2015, all labels will be required to have pictograms, a signal word, hazard and precautionary statements, the product identifier and supplier identification.

In preparation for the adoption of the UN GHS labeling standard, companies will be required to design new label formats that comply with the GHS standard and identify printing technologies and label materials that meet the durability requirements for the new standard.

Deadlines for US Compliance

- **Dec 1, 2013:** All employees must be trained on label requirements and safety data sheet format
- **June 1, 2015:** Chemical manufacturers, importers, distributors*, and employers must comply with all final rule provisions
- **Dec 1, 2015*:** Chemical distributors must ship containers using GHS-compliant labels
- **June 1, 2016:** Workplace employers must update labeling and HazCom programs as needed and provide new training

The Solution

Lowry's GHS Labeling Solutions offer a variety of label materials and printing methods to enable Chemical Manufacturers and Distributors to meet the GHS worldwide labeling regulation (as indicated by OSHA's updated HCS regulations).

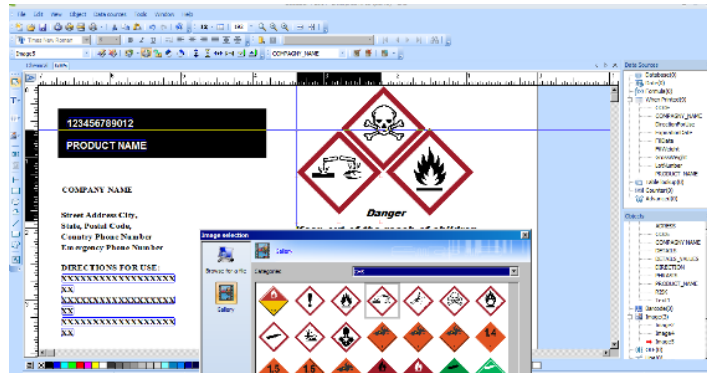
For chemicals shipping via an International Waterway, an IMDG (International Maritime Dangerous Goods) compliant label that meets both sections 2 & 3 of the British Standard (BS) 5609 must be used. This requires a certified combination of durable label material, adhesive and inks designed to ensure image permanence when exposed to saltwater, harsh UV exposure, and sand abrasion.

According to OSHA, these changes to the Hazard Communication Standard will cover over 43 million workers who produce or handle hazardous chemicals in more than five million workplaces across the country. The modification is expected to prevent over 500 workplace injuries and illnesses and 43 fatalities annually.

The Technology

Lowry's extended GHS Labeling Solution set enables manufacturers, distributors, and employers to properly communicate key hazardous information as required by the noted international regulations. It includes easy to use labeling software for the design, management and printing of GHS compliant labels.

- Use information from a database or text file, to include standardized data elements that meet GHS requirements
- Approval module allows you to approve label designs using electronic signatures, helping you meet industry mandates that require label security and traceability
- User friendly interface that simplifies the printing process at the point of labeling



To allow customers to leverage existing print technologies, ensuring the smoothest transition, Lowry offers options that include on-demand thermal transfer, inkjet, or laser printing, as well as labels pre-printed with red diamonds and required pictograms.



About Lowry

Since 1974, Lowry Solutions, Inc. (formerly Lowry Computer Products) has helped its customers make informed business decisions and become more competitive in the marketplace. The company provides the most innovative barcode, RFID, biometrics, enterprise mobility, asset management and inventory control solutions that reduce operational costs, heighten productivity, and improve process efficiency in an array of vertical markets. Its enterprise mobility solutions empower the mobile worker through real-time communication and data access solutions.

See more at www.lowrysolutions.com.

CONTACT US

For more information please contact:
Phone: **800.733.0210**

Visit lowrysolutions.com to learn more about Lowry's complete product, solutions and services offering.



9420 Maltby Road
Brighton, MI 48116