GHS: A Universal Language for Hazard Communication

Solutions for GHS Labeling Compliance and Process Improvements
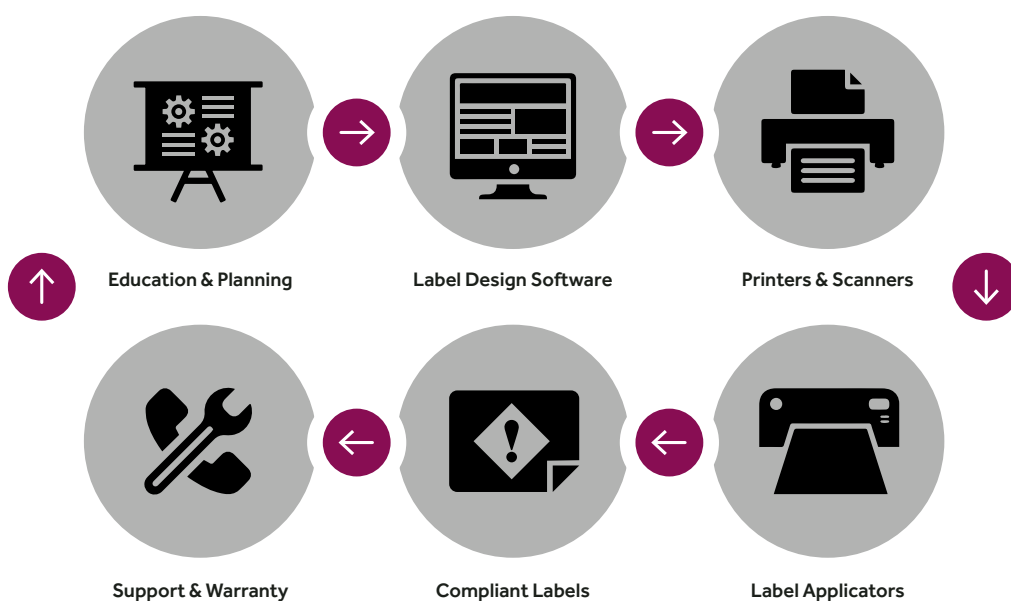

40 YEARS

A safer world starts with GHS

The goal of the Globally Harmonized System (GHS) is to keep workers safe and informed when working with or transporting hazardous chemicals. Computype's team of resources and unique portfolio of solutions will help you achieve compliance. But as true with any process change, let us help you utilize this opportunity to ensure that in addition to meeting compliance regulations, you're also improving your workflow for the better.

We thrive on Solutions:

With 40 years of experience in meeting global regulatory labeling and tracking challenges, we're your trusted resource for simple, effective, and professional GHS solutions.

Education & Planning → Label Design Software → Printers & Scanners

Support & Warranty ← Compliant Labels ← Label Applicators

Understanding GHS:

To improve the quality and consistency of hazard communication in workplaces across the world, the Hazard Communication Standard (HCS) has been updated to align with GHS. As a result, companies across the globe will have one common, coherent framework for classifying and communicating information related to chemicals.

The major changes:

Hazard Classification: provides specific criteria for classification of health and physical hazards, as well as classification of mixtures

Labels: Chemical manufacturers and importers are required to provide a label that includes a harmonized signal word, pictogram, and hazard statement for each hazard class and category. Precautionary statements must also be provided

Safety Data Sheets: now have a specified 16-section format

Information and Training: employers and employees are required to familiarize themselves with the new label requirements and safety data sheet format

The outcome:

- 1 universal system for identifying and communicating information related to hazardous chemicals

- Easily understandable information related to the appropriate handing & usage of chemicals

- Reduced trade barriers, improved productivity, and cost savings for businesses

- Improved safety during transport and at the time of chemical utilization

Labeling Solutions:

With dependable, durable labeling materials and adhesives, we help you create compliant chemical labels you can trust to last.

Standard GHS compliant labeling materials:

- Meet BS5609 certification

- Media and associated print technology are certified together

- Withstand the harsh conditions of industrial environments

- Adhere securely to chemical and industrial containers

- Are available in the size that fits your specification and containers

- Are always kitted with the correct ribbon/inks for the highest image quality and durability

Labels are available in a variety of material choices to best suit your print technology and application:

- Paper
- Vinyl
- Polyester
- Polypropylene

Labels can be custom sized, partially printed, or even fully-preprinted based on your needs

6 Elements of a GHS-Compliant Label

1
2-Propanol

2
DANGER

3
- Highly flammable liquid and vapor.
- Causes mild skin irritation.
- Causes serious eye irritation.
- May cause drowsiness or dizziness.

4
Keep away from heat/sparks/open flames/hot surfaces. - No Smoking. Avoid breathing dust/ fume/gas/mist/vapours/spray. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. May be harmful if absorbed through skin. Causes skin irritation. Causes eye irritation. May be harmful if swallowed.

5
Acme Chemical · 101 Main Street · Anywhere · USA

6

1 Product Identifier / Ingredient Disclosure	**4** Precautionary Statement	
2 Signal Word	**5** Supplier Identification	
3 Hazard Statement	**6** Pictograms	

For GHS labeling of smaller containers like tubes and vials, our wrap-around extended content labels provide enough space to meet compliance standards, and allow for text and pictograms to remain legible.
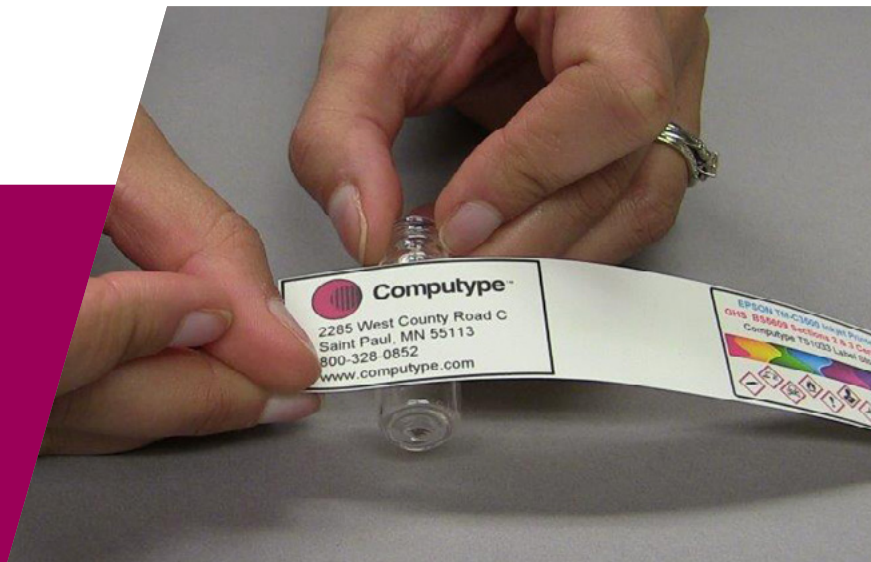
Combination of permanent and 'deadened' adhesives allow for permanent bond with a removable outer layer to expose additional GHS information. The fold-over tab allows for easy access to the contents of the entire label.

Hardware Solutions:

As print technology experts, we'll help ensure that important hazard information is communicated efficiently & effectively while meeting compliance regulations. Whether you already have a label printer in-house or you're starting from scratch, our experts take a consultancy approach to ensure you acquire the right technology for your process. While adopting a two color printing process can sound daunting, it's easier than you might think and can bring with it a host of new benefits.

Epson C831 Printer

This full-color Inkjet print option is the optimal choice for printing large chemical drum labels

Key Features:

- Solution provides full-color CMYK printing
- Individual ink cartridges allow for replacement based on usage demand
- Pigment-based ink provides durable image resistant to chemicals and water; BS5609 compliant when matched with optimal label materials
- Full color print speeds of up to 16 pages per minute; printable area of up to 8" x 22"
- Precision, continuous-label feeding technology reduces jams to enable uninterrupted workflows
- Overall dimensions: 18.3" x 18.3" x 8.8" (W x D x H)
- Ideal for high-volume, large format labels

Epson C3500 Printer

This full-color Inkjet print option is the compact solution to GHS compliance

Key Features:

- Solution provides full-color CMYK printing
- Individual ink cartridges allow for replacement based on usage demand
- Pigment based ink provides durable image resistant to chemicals and water; BS5609 compliant when matched with optimal label materials
- Full color print speeds of up to 4" per second; maximum print width of 4"
- Available with an auto-cutter to save time and reduce errors when utilizing continuous stock
- Available with an un-winder/re-winder system to allow for in-house label creation of short-run jobs
- Overall dimensions: 12.2" x 11.1" x 10.3" (W x D x H)
- Ideal for high-mix, low-volume applications

Cab XC Printer

This two-color Thermal Transfer option prints labels up to 6" wide

Key Features:

- Heat transfer technology provides a durable image resistant to chemicals and water
- Printer equipped with two ribbons (black + 1 color) for GHS printing compliance
- Prints two colors at once at speed of up to 5" per second
- Can run stand-alone or integrated with other automation via Windows-certified print driver
- 300dpi print-heads produce high quality graphics and text
- Roll holder accommodates media rolls of up to 300mm in diameter
- Stable metal housing; all components are mounted to die-cast aluminum
- Overall dimensions: 15.5" x 21.8" x 14" (W x D x H)
- Ideal for high-volume, low-mix print applications
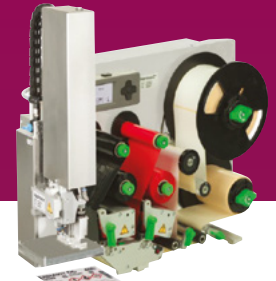
Cab Hermes C+ Two Color Printer Applicator System:

This precision applicator is built on the Cab XC printer

Key Features:

- Heat transfer technology provides a durable image resistant to chemicals and water
- Printer equipped with two ribbons (black + 1 color) for GHS printing compliance
- Prints two colors at once at speed of up to 5" per second
- 300dpi print-heads produce high quality graphics and text
- Roll holder accommodates media rolls of up to 300mm in diameter
- Stable metal housing; all components are mounted to die-cast aluminum
- Double the inline print units, time is saved as the system is simultaneously printing and applying labels
- Easy integration thanks to flexible interface connectivity
- Overall dimensions: 21.7" x 24.8" x 12.6" (W x D x H)
- Ideal for high-volume, low mix applications

Software Solutions:

When global data management & administrative print privileges are important, or you simply need your systems to communicate regarding GHS labeling, our label software can help.

GHS Label Software enables you to:

- Quickly and easily identify and print a specific, pre-saved label format based on chemical specification

- Create and manage your own label formats

- Incorporate chemical and safety data sheets into the system to make label printing even easier

- Manage label printing & administrative privileges for multiple/ global locations

- Support database/ERP integration of label design, format centralization, design auditing & approval

Service & Support:

No solution is complete without human support. Our global GHS Team is trained on all things related to GHS compliance, is ready to help you meet your compliance goals, and is here to help you become more efficient in the process. Our service consists of the following elements:

- Facility walk-through and consultancy session with recommendations for compliance

- Account Management and one-point of contact communication

- Technical support and hardware maintenance programs/ warranty options

- Engineering/ material testing & validation

- Solution implementation and integration assistance

- Inventory management and demand planning services for consumables usage

- Continued service and support to ensure your solution performs optimally according to its intentions

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