GHS LABELING SYSTEMS

BUYER'S GUIDE

CHOOSING THE RIGHT SYSTEM FOR YOUR BUSINESS

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What Is The GHS Labeling Mandate?

In 2002, the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) was formally adopted by the member states of the United Nations Conference on Environment and Development. It was done in response to the need to standardize the classification, communication and labeling of hazardous chemicals from all countries across the globe, as well as the need to harmonize and improve safety information and support international trade through standardization of classification, safety information and product labeling of hazardous materials.

The net result will be that all member states--including the United States, Canada and the European Union--will require chemical manufacturers, importers, distributors and even users to identify and label hazardous substances according to strict guidelines. In the US, OSHA is enforcing GHS by adopting it into its Hazard Communication Standard, which will require the use of labels containing the proper signal words, pictograms and hazard and precautionary statements on all hazardous chemicals and mixtures.

OSHA's updated Hazard Communication regulation (29 CFR 1910.1200) includes specific deadlines for GHS compliance, including the 2015 deadline for all containers to be labeled using GHS-compliant labels.

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How This Buyer's Guide Can Help You

There is a wealth of information available online and through other resources on GHS, including information and data on new classification standards, safety data sheets, employee training, workplace hazcom programs, and the different elements that are required on the new GHS labels. As that information is plentiful and readily available online and through numerous channels, we won't get into that in this guide.

What is the best labeling system for my company?

This buyer's guide focuses on a specific problem that all companies that must comply with GHS standards face--what is the best labeling system for my company to use to label our products in accordance with GHS? The new labeling standards will require companies to either update existing labeling systems or implement new labeling systems to produce and print the labels required for their products.

There are a number of different labeling technologies and systems now available that companies can use to produce and print GHS-compliant labels. The challenges for businesses, as part of their entire GHS implementation program, are to:
- choose the best labeling technology and system that fits the company's unique needs and processes, and
- implement the system in a manner that meets the company's current and future needs while providing maximum return on investment (ROI).

This buyer's guide will help you understand and evaluate the different technologies available for producing and printing GHS labels for your products, and walk you through everything you need to consider when building and implementing a GHS labeling system for your company.

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Before We Get Started, Here's What Not To Do

Ignore the mandate

It's coming, and if you are a chemical manufacturer, importer, distributor or user, there's no way for you to "opt out" of it. There are specific deadlines set in place for your company to become GHS compliant, including the 2015 deadline for using GHS-compliant labels.

Panic

The new information and requirements for GHS chemical product labeling can seem overwhelming at first, particularly to managers already busy with their business operations. Who has time to research, learn and implement another mandate? The purpose of this buyer's guide is to help you understand your options and choose the labeling system that is best suited for your unique business needs and processes.

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Before We Get Started, Here's What Not To Do

Assume you have everything you need

You are already producing and printing labels, right? Then can't you just use your existing systems to print these new GHS-compliant labels? Wrong. There's a lot more to GHS-compliant labels than what you may be doing now. You'll need to do a full audit of your existing equipment, systems and processes to understand what you will need to add, change or upgrade to produce and print GHS-compliant labels.

Replace everything you have

A full audit will show you what elements of your existing labeling system can be used, re-purposed or upgraded. There is no "one-size-fits-all" solution for GHS labeling systems; it is important to have a full understanding of your unique business needs and processes so your labeling system is optimally designed to provide the best ROI.

Get talked into a system that is not right for you

You are probably hearing a lot of claims from vendors promising that their system is the best for GHS labeling. However, there is no one technology that is right for every company and every situation. Each printing technology has its features, benefits, pros and cons. It takes a thorough evaluation to know what's right for your operations. The intent of this buyer's guide is to help walk you through that process.

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Thermal transfer (1 color) with pre-printed labels

Two color thermal transfer with blank labels

Laser (monochrome) with pre-printed labels

Color laser with blank labels

Color inkjet with blank labels

Thermal Transfer (1 color) with Pre-Printed Labels

Description

This method uses a thermal transfer label printer, a thermal transfer ribbon, and thermal transfer labels pre-printed with red diamond borders for the pictogram. The thermal transfer printer prints black text, images and pictograms on the label, with the pictograms printed inside the pre-printed red diamonds.

Components needed

- Thermal transfer label printer
    - Ex: Zebra, Datamax, Intermec, Sato, etc.

- Black thermal transfer ribbon matched to the printer and the label facestock you are using

- Thermal transfer labels pre-printed with red diamond pictogram borders
    - The number of red diamond borders you will need corresponds to the number of pictograms that are required for the product you are about to label. All pictograms must be contained in a red diamond border, and no blank red diamond borders are allowed.

- Label printing software

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Thermal Transfer (1 color) with Pre-Printed Labels

How it works

This method of GHS label printing uses labels that have been pre-printed with the red pictogram border. The thermal transfer printer is equipped with a printer ribbon, and the pre-printed labels are loaded into the thermal transfer printer. You use pre-defined formats designed for the product to be labeled and the layout of the pre-printed red diamonds on the labels to print the "black" portion of the required elements needed for a GHS-compliant label.

Pros

- Uses thermal transfer printers that may already be present in your operations

- Fast throughput

- Lots of flexibility for label facestock depending on your needs, from low-cost paper labels to high-durability synthetic film labels, or other specialty labels
    - Synthetic film labels are needed for applications requiring chemical resistance
    - The surface to be labeled may require a special adhesive

- Overall lower media
(labels and printer ribbons)
costs compared to inkjet and laser

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Thermal Transfer (1 color) with Pre-Printed Labels

Cons

- Must maintain an inventory of pre-printed labels

- Must ensure the correct diamond configurations on the labels are ordered

- Frequent label roll changes or multiple printers may be required to print different product labels or label formats

When to consider this option

- You have a very small number of product SKUs that need to be labeled

- Products that need to be labeled use the same label size and format, including the number of red diamond borders

- A special custom label is required

Two Color Thermal Transfer with Blank Labels

Description

GHS labels require two colors--black and red--and this method is ideally suited for two-color label printing. The thermal transfer label printer is equipped with two separate printheads and requires both a black and a red thermal transfer printer ribbon. It can then print both the red diamond borders and the black information and pictograms on blank thermal transfer labels in one pass.

Components needed

- Thermal transfer label printer equipped with two printheads
  - Ex: CAB XC6

- Black thermal transfer printer ribbon matched to the printer and the label facestock you are using

- Red thermal transfer printer ribbon matched to the printer and the label facestock you are using

- Blank thermal transfer labels

- Label printing software

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Two Color Thermal Transfer with Blank Labels

How it works

These thermal transfer printers are built with dual printheads, capable of running two thermal transfer ribbons simultaneously. One printhead is equipped with a red thermal transfer ribbon, the other printhead with a black thermal transfer ribbon, and the blank thermal transfer labels are loaded into the printer. Pre-defined label formats are sent to the printer through the label printing software, and the labels are printed with both black and red in one pass.

Pros

- No need to carry an inventory of pre-printed labels

- Multiple product configurations that need different layouts and number of red diamond pictogram borders can be printed without the need to change label rolls or purchase multiple printers

- Lots of flexibility for label facestock depending on your needs, from low-cost paper labels to high-durability synthetic film labels, or other specialty labels
    - Synthetic film labels are needed for applications requiring chemical resistance.
    - The surface to be labeled may require a special adhesive.

- Overall lower media (labels and printer ribbons) costs compared to inkjet and laser

- Fast throughput

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Two Color Thermal Transfer with Blank Labels

Cons

- Because of the dual printhead configuration, these printers are more expensive than standard thermal transfer printers

- Must carry 2x the inventory of printer ribbons

- Ribbon changeover takes longer as there are two printer ribbons to replace and load

- Dual printhead mechanism is more complex than standard thermal transfer printers, leading to higher maintenance costs and potential service issues

When to consider this option

- You have a large number of product SKUs that have different label layouts and pictogram requirements

- You have a high volume of products that need to be labeled

- A special custom label is required

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Laser (Monochrome) with Pre-Printed Labels

Description

This method uses a standard monochrome laser printer, toner, and laser sheet labels pre-printed with red diamond borders for the pictograms. The laser sheets are fed through the laser printer to print the black text, images and pictograms on the labels, with the pictograms printed inside the pre-printed red diamonds.

Components needed

- Monochrome laser printer
  - Ex: Lexmark, HP, OKI, Xerox, etc.

- Black laser toner

- Laser sheet labels pre-printed with red diamond pictogram borders
  - Sheets are typically 8.5" x 11"--the number of labels per sheet depends on label size.
  - The number of red diamond borders you will need corresponds to the number of pictograms that are required for the product you are about to label. All pictograms must be contained in a red diamond border, and no blank red diamond borders are allowed.

- Label printing software

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Laser (Monochrome)
with Pre-Printed Labels

How it works

Laser sheets pre-printed with red diamond pictogram borders are loaded into the laser printer. Pre-defined label formats designed for the product you are labeling and the pre-printed red diamonds on the labels are sent to the printer to print the "black" portion of the required elements needed for a GHS-compliant label. The pictograms are printed inside the red diamond borders.

Pros

• You can use laser printers that may already be present in your operations

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Laser (Monochrome) with Pre-Printed Labels

Cons

- Must maintain an inventory of pre-printed laser sheet labels

- Excessive printer wear and maintenance costs - office laser printers are typically not built for extended label printing use, may frequently jam and break down

- Wasted labels and laser sheets if every label on the sheet is not printed and used

- Slow throughput

- Limited choice of laser label sheet materials designed for chemical exposure

When to consider this option

- You have a limited number of product SKUs at a low volume that need to be labeled

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Color Laser with Blank Labels

Description

Color laser printers are found more and more in today's business environments. This method creates GHS-compliant labels by printing the black text, images and pictograms, and the red diamond pictogram borders, on blank laser sheet labels that are fed through the color laser printer.

Components needed

- Color laser printer
    - Ex: Lexmark, HP, OKI, Xerox, etc.

- Color laser toner

- Blank laser sheet labels
    - Sheets are typically 8.5" x 11" – number of labels per sheet depends on label size

- Label printing software

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Color Laser with Blank Labels

How it works

Blank laser sheet labels are loaded into the laser printer. Pre-defined label formats are sent to the printer through the label printing software, and the labels are printed in full color.

Pros

- No need for pre-printed label inventory

- You can use color laser printers that may already be present in your operations

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Color Laser with Blank Labels

Cons

- Equipment cost

- Cost of color toner

- Excessive printer wear and maintenance costs - office laser printers are typically not built for extended label printing use, may frequently jam and break down

- Wasted labels and laser sheets if every label on the sheet is not printed and used

- Slow throughput

- Limited choice of laser label sheet materials designed for chemical exposure

When to consider this option

- You have a limited number of product SKUs at a low volume that need to be labeled

- The color laser printer can be used to create color documents for use in other areas or applications in your operations.

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Color Inkjet with Blank Labels

Description

Color inkjet label printing has seen some significant technological advances in terms of print speed, resolution, and image durability. With these advances, the concept of "on-demand color label printing" has finally achieved a level of quality, durability and an overall price/performance ratio that makes it a viable alternative for industrial labeling applications. For GHS labels, color inkjet label printers use specially-formulated ink to print both black information and pictograms and red diamond pictogram borders on label facestock that is formulated specifically for that ink to produce high-quality and very durable images.

Components needed

- Special color inkjet label printer
    - Ex: Epson C3500, Epson C831, etc.

- Inkjet cartridges for the printer containing special pigmented ink

- Blank labels with ink-receptive surface that is formulated for use with the special pigmented ink

- Label printing software

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Color Inkjet with Blank Labels

How it works

The color inkjet label printer is equipped with inkjet cartridges containing the specially formulated ink and loaded with the special inkjet-receptive blank labels. Pre-defined label formats are sent to the printer through the label printing software, and the labels are printed in full color.

Pros

- No need for pre-printed label inventory

- Multiple product configurations that need different layouts and number of red diamond pictogram borders can be printed without the need to change label rolls

- No waiting time for image to dry

- Image is highly durable and resistant to water and chemicals compared to dye-based ink systems

- Can use a variety of label sizes

- Custom labels can be produced for use in these printers

- Can be used to create other color labels for use in other areas and applications outside of GHS labels

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Color Inkjet with Blank Labels

Cons

- Cannot use standard inkjet labels – labels that are formulated specifically for this application and ink must be used

- Cost of labels and ink

- Slower print speeds

- Ink waste during printer stop/start cycling

When to consider this option

- You have a large number of product SKUs that have different label sizes, layouts and pictogram requirements

- You have a high volume of products that need to be labeled

- You have potential uses and applications for on-demand color labeling in other areas of your operation

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What Could Happen If You Choose The Wrong Label

How To Choose The Right Label

About The BS5609 Specification

What Could Happen If You Choose The Wrong Label

A label is a label – you print on the front, there's sticky stuff on back, so your best strategy is to find the least expensive source for labels, right?

Unfortunately, too many companies take this approach to sourcing labels for their operations, and the result is always disastrous. Problems such as labels tearing or falling off and printed images smearing or degrading can (and will) happen, resulting in your company facing non-compliance penalties and other customer headaches. And if you are labeling chemical drums that will be shipped overseas by boat, you may be required to comply with additional mandates that specify exactly what type of label material you are allowed to use for product labeling. You can't afford not to know these specifications and act accordingly.

> A critical component for an effective GHS labeling system is making sure you have chosen the right label for the application.

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How To Choose The Right Label

There are a number of factors to consider when choosing labels. Questions that you need to answer include:

- What type of print technology and printer will be used to print these labels?

- What type of surface does the label need to adhere to? Does it ever need to be removed?

- What type of temperatures and environmental conditions will the label be exposed to? (heat, cold, humidity, salt water, etc)

- Will the label need to withstand exposure to water or chemicals? If so, what kind of chemicals? What type of exposure? (spray, immersion, etc.)

- Will the label need to withstand any unusual handling? (squeeze bottles, abrasion caused by contact rubbing against other containers, conveyor rails, forklifts, etc.)

- How long is the label required to last?

The answers to these questions have a significant impact on what type of label you need. There are different label facestocks, including synthetic films, and different label adhesives that are designed for specific applications. Make sure the label you choose can satisfy all of your requirements.

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About The BS5609 Specification

BS5609 is an internationally recognized standard that covers the labeling of products and containers for marine shipment. Under the provisions of the Merchant Shipping Regulations of the International Maritime Dangerous Goods (IMDG), it is mandated that shippers durably label chemical drums and packages for carriage by sea.

Labels manufactured to BS5609 standards are regarded by the Department of Transportation as complying with the regulations. GHS standards require that certain products must meet IMDG certification, part of which requires the identification labels to conform to BS5609. The BS5609 certification is a two-part certification for both the label material and the printed information on the label. Both elements must be tested successfully and certified for a label to achieve the BS5609 certification.

What does this mean for you?

If you ship chemical drums or other packaging via marine transport, your GHS labeling system must use labels for those products that are certified to BS5609 specifications. If this applies to you, you must work closely with your label supplier to make sure your labels have received BS5609 certification.
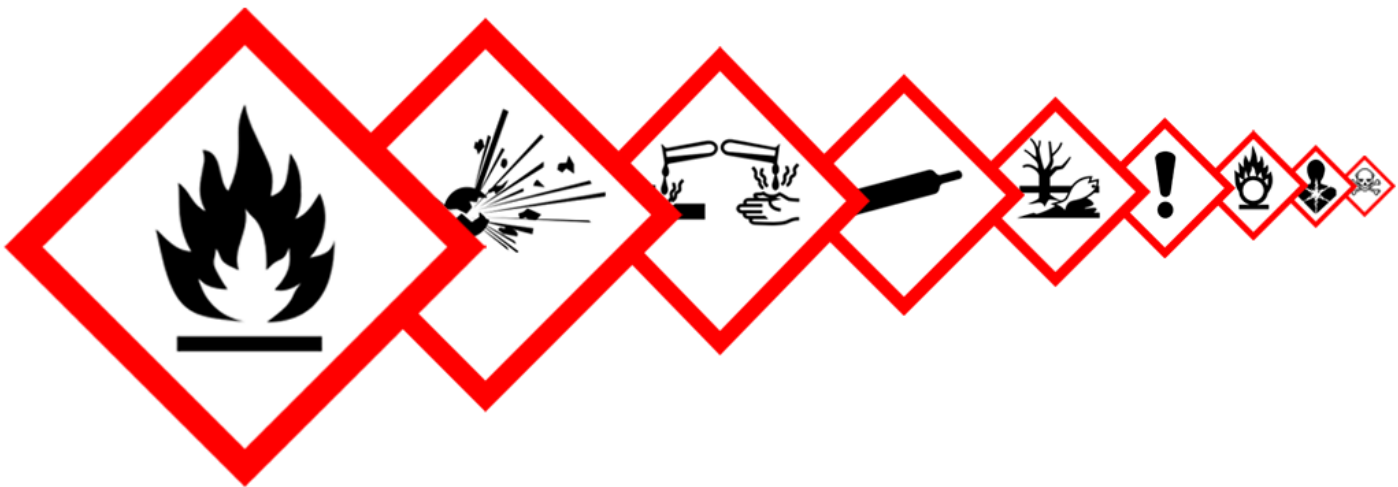
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Printer Supplies

Software and Integration Considerations

Comprehensive Service Plans Are A Must

Printer Supplies

By "printer supplies" we are referring to the ink, toner or thermal transfer ribbons that are used in the printer to print the image on the label. As you decide on the best printing technology to use for your GHS labeling system, you will need to consider the usage and cost of the printer supplies.

To begin your analysis, make sure you have specified the correct ink, toner or ribbon for the printing technology, label you are printing on, and intended application. For thermal transfer printing, there are different grades of printer ribbons (wax, wax/resin and full resin) and multiple formulations within each grade, each intended for different applications and label facestocks. Make sure everything is matched correctly.

Make an estimate of your intended volume for label printing and estimate your cost for these printer supplies based on your volume. This cost will impact your overall choice of printing technology for your GHS labeling system.

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Software and Integration Considerations

There is always a software and integration component to any GHS label printing system. For any printing technology you use, you will use software to:

- design your label formats with the required elements for your products, and

- drive the printers that will print the GHS product labels.

The degree and complexity of the software and integration largely depends on the scale of your operation, what software systems you have now, where your product data is located (or planned to be located), and the printing technology you ultimately choose.

Choosing which is best for you involves careful analysis

There are a lot of software options and platforms available today, including standalone, server-based and cloud-based. Choosing which is best for you involves a careful analysis of your current operations and IT infrastructure, the technical ability of your staff, and your future plans for growth or expansion.

To begin, look at what software tools and system you are currently using to design label formats and print labels. Is it compatible with the specific printer makes/models that you are considering as part of your overall GHS labeling system? Does it have pre-formatted GHS label templates available? Does it allow you to easily create GHS-compliant label formats, and does it have the necessary GHS label components (pictograms, etc) pre-loaded?

Different printer makes and models have different integration capabilities--some can use a standard Windows driver and others require a special software driver that can only be used by certain software applications.
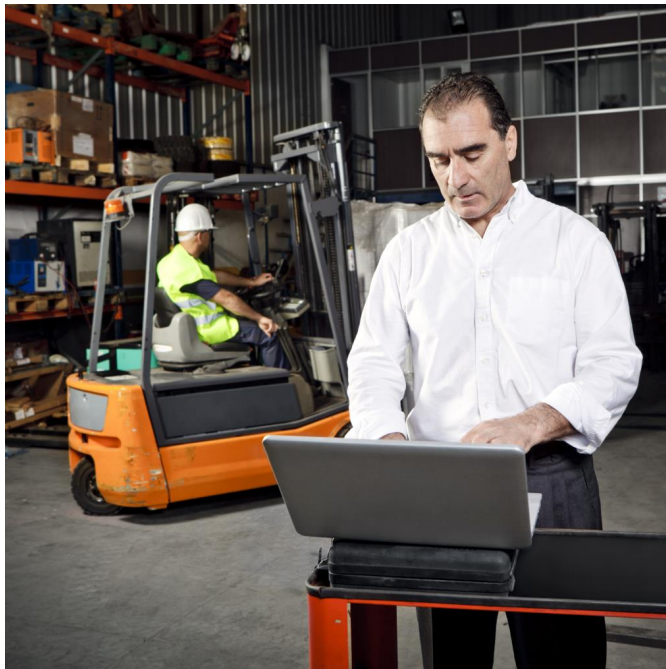
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Software and Integration Considerations

If you are looking at new software, make sure it is fully compatible with the printer makes/models that you will be using to print your GHS product labels. It should also come with pre-formatted GHS label templates and pictograms that you can use on your labels.

New software also involves other considerations you must take into account, including:

- Compatibility with your existing ERP or other software systems

- Time needed for installation and configuration

- Time and cost for migrating any existing label formats over to the new software platform

- Training of personnel to use the software

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Comprehensive Service Plans Are A Must

Your GHS product labeling system will be a "mission-critical" component of your operations. Whether you are a manufacturer, distributor, importer or user, your internal processes for product labeling are a vital part of your overall operations. Your facility's productivity and efficiency can be significantly impacted if your labeling system goes down or experiences problems or interruptions. So as you plan and design your GHS labeling system, it is important to analyze your equipment service and support needs and to have a service and support plan that meets your needs and keeps your labeling system in top working order.

The first thing to consider is your fleet of label printers. How many printers do you plan to have as part of your GHS labeling system? Are they in one location or spread across multiple facilities? What is the general age and condition of these printers? What is their replacement cost? What label volume do you project they would print on a daily basis?

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Comprehensive Service Plans Are A Must

There are a number of service options you should consider as part of your printer service plan. These include:

- **Onsite**--technicians are dispatched to your facility to perform maintenance and repair.

- **Depot**--you ship the printer needing repair to a service center, where maintenance and repair is performed and the printer is shipped back to you.

- **Bullpen**--you place all printers needing repair in a single location within your facility, and a technician visits that location at specified intervals to perform any and all needed maintenance and repair.

- **Hot-swap spares-**-printers pre-configured with the correct settings are kept in inventory. When one of the printers on your line goes down, it is swapped out with one of these spares while maintenance and repair is performed on the problem printer.

Service options can be custom-blended to efficiently service various groups of printers within the fleet.

In addition to addressing repair needs, any printer service plan should also include preventative maintenance services, which would includes regular cleaning and calibration of your printers.

Moreover, any software systems you put in place should have a support plan behind it. These generally ensure that you always have the latest version of the software and have access to technical support when the need arises. Software support plans generally have different levels and options for response and resolution times and are priced accordingly. Determine which support plan best fits your needs.

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1. **Get your product information organized and re-categorized per GHS regulations.**

2. **Assess your current situation.**

3. **Clearly understand and define your labeling needs.**

4. **Evaluate the different label printing technology alternatives.**

5. **Test sample labels to determine suitability for your applications and needs.**

6. **Evaluate software and integration options.**

7. **Determine service and support requirements.**

8. **Evaluate the TCO (total cost of ownership) for your different options and select the best one for your needs.**

9. **Schedule time for testing prior to going live.**

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Step 1:
Get Your Product Information Organized and Re-Categorized Per GHS Regulations

GHS includes a host of new regulations, guidelines, classifications and methods of categorization for chemicals and hazardous substances. You will need to understand how these affect your operations and the labeling of your products.

There are many online resources available to help you do this. To begin, we recommend OSHA's new hazard communication site at http://www.osha.gov/dsg/hazcom/

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Step 2:
Assess Your Current Situation

Audit your current infrastructure and label printing systems: the equipment used, the processes and procedures, and the types of labels you use.

Some of what you currently have may be able to be repurposed and/or upgraded to be used as part of your GHS labeling system.

Step 3:
Clearly Understand and Define Your Labeling Needs

What needs to be labeled? How many different existing or new products, containers or cartons? GHS labels require specific components to be present on each label. These include:

- **Product Identifiers:** chemical name, code, quantity, etc.
- **Supplier Information:** manufacturer's company name and contact information.
- **Hazard Statements:** detailed phrases describing the hazards associated with the chemical.
- **Signal Words:** clearly alerts level of hazard (DANGER, WARNING).
- **Pictograms:** symbols contained inside a diamond-shaped red border that communicates the hazard classification of the chemical.
- **Precautionary Statements:** recommended measures to prevent hazardous exposure, improper handling or storage.
- **Supplemental Information:** other instructional information provided by the manufacturer.

You will need to determine the correct information necessary for proper labeling of your products.

For each product, container or carton, what are the application and use requirements? Are there any special compliance considerations (ie. BS5609)?

Components Of A GHS-Compliant Label

product identifier
AMMONIA

signal word
DANGER

hazard statement
TOXIC IF INGESTED

Wash hands thoroughly after handling. Keep container tightly closed when not in use Keep away from heat, sparks and open flames - may explode when exposed to high heat. Use in an open area that is well-ventilated. Breathing in ammonia is irritating and corrosive. Wear protective gloves and safety goggles to prevent burns and irritation.

precautionary statements

If swallowed: Immediately call Poison Control or doctor/physician. Drink water or milk to dilute ammonia.

pictograms

See Safety Data Sheet (SDS) for further details regarding safe use of this product.

supplier information
ABC Chemicals - 123 Main Street - Cincinnati, OH - www.abcchem.com - 800-733-5252

How many different types or sizes of labels will you need?

What is your expected label volume? Do you anticipate it increasing or decreasing?

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Step 4:
Evaluate the Different Label Printing Technology Alternatives

Take a look at each different printing technology; you can use this buyer's guide as a starting point. Evaluate the pros and cons of each technology as they relate to your operations and the needs of your facilities.

Your labeling needs directly affect your choice of printing technology, as some have limited options for the types of labels that can be used. Be sure to factor this into your evaluation.

Step 5:
Test Sample Labels to Determine Suitability For Your Applications and Needs

You'll want to obtain blank and/or pre-printed samples of labels for testing and evaluation. Make sure you have chosen a label that can adequately perform in your specific environments and applications and on your products' containers.

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Step 6:
Evaluate Software and Integration Options

Look at your current software tools, systems, and IT infrastructure, and determine their suitability for GHS label printing. If any new software is needed, determine its suitability for the scale of your operation and the other software systems you have now. Also factor in the printing technology you are evaluating in order to determine compatibility.

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Step 7:
Determine Service and Support Requirements

For your printer service plan, how many printers will be part of your GHS label printing system?

What is your anticipated label volume for these printers?

What type of impact would a malfunctioning printer have on your operations, and how do you need to be able to respond to it?

You will want to choose a service plan with options that address your operation's unique needs and requirements. Also, make sure any software systems you put in place has an adequate support plan behind it.

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Step 8:
Evaluate Your TCO

Evaluate the TCO (total cost of ownership) for your different options and select the best one for your As you have probably learned by reading this buyer's guide, putting a GHS labeling system in place involves many factors, and each factor can impact the choice or availability of others. For example, the per-label cost of printer supplies--ink, toner, thermal transfer ribbons--varies widely. But your labeling needs can impact the choice of printing technology, which then determines the type of printer supplies you will need to use.

The Best Strategy

Your best strategy is to evaluate the total cost of ownership of the different printing technologies you are considering, using usage data and metrics from your operations and your specific needs criteria. All cost factors must be considered, including:

- Equipment replacement/addition
- Printer supplies
- Service and support plans
- Software and integration
- Labels
- Setup and training
- Labor cost variances between systems

Having an accurate TCO number for each of the systems you are considering will give you a clear picture of which systems and options are best for your company's operations.

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Step 9:
Schedule Time for Testing Prior To Going Live

Before going live with your GHS labeling system, you should schedule time and resources to thoroughly test the system in your environment and under your typical usage conditions. This way, any bugs or issues in the process, system or any individual components can be identified and addressed before your target go-live date.

If your plan involves multiple facilities and locations, don't assume that if it is working at one location then it will work at all locations. Each location should have its own testing plan and process to follow before going live.

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If your company is a manufacturer, distributor, importer or even a user of chemicals or other hazardous substances, then you know that the new GHS regulations are going to affect you.

The Clock is Ticking

There's a lot you need to do, including understanding the regulations and how they impact your company, reclassifying your products, updating your safety data sheets, updating your employee information and training, informing other employers/contractors, and properly labeling your products in compliance with GHS regulations. And as OSHA has set specific deadlines for implementation, the clock is ticking.

GHS and Chemical Label Expertise

General Data works with all types and sizes of manufacturers, distributors, importers and users of chemicals and hazardous materials to help them design and implement GHS-compliant labeling systems that are optimized for their specific needs and business operations. To our customers, General Data is the "one throat to choke" for all components of a GHS labeling system, including printers, printer supplies, labels, software and service/support.

Maximum Return on Investment

Our status as an ISO-certified label manufacturer, premier equipment and systems integrator, software expert and national service provider enables us to work closely with our customers to understand their unique needs and requirements, then help them select the right mix of components to provide a complete GHS labeling system that is customized for their needs and will deliver maximum return on investment.

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So you need a GHS labeling system and you're not sure where to start or what's best for your operations?

Call the experts at General Data - we will help you every step of the way. We can do a free assessment to help you choose the right system for your business.

And we will make sure that your GHS product labeling system works best for you, delivers maximum ROI, and enables you to better serve your customers.

CONTACT US TODAY
FOR A FREE CONSULTATION

Please visit our website at

www.general-data.com/ghs

or call us at 1-844-643-1129

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