



Globally Harmonized Labeling Guide



We're more than just labels.

Our vision is to provide extraordinary value to customers by offering complete turnkey solutions for label and label application requirements. We focus on the specific needs of our customers and the markets they serve. If you're looking for exceptional results look no further.

Great Lakes Label works as a Research and Development arm for a number of companies. We have an on site R&D department where our professional staff develops application specific materials and adhesives for pressure sensitive labels and engineered adhesive components.

Our Services:

- Research and Development
- Label Design
- Applicator Design
- Consulting
- Color Matching

Capabilities:

- High Quality printing up to eight colors
- Web widths to 13.5"
- Four Color process printing
- PMS color, exact match printing
- UV Coating, varnishing, and over-lamination
- Multi-web lamination
- Custom Die Cutting
- High Speed Slitting
- Ink Jet Numbering
- Thermal and Direct Transfer Printing
- Product Packaging and Fulfillment



What is GHS?

GHS = Globally Harmonized System of Classification & Labeling of Chemicals

GHS is a system developed by the United Nations, that ensures safety in areas of production, transport, handling as well as disposal of hazardous materials.

In the United States, GHS adoption is under the following agencies:

1. **Occupational Safety & Health Administration (OSHA)**
2. Environmental Protection Agency (EPA)
3. Department of Transportation (DOT)
4. Consumer Product Safety Commission (CPSC)

Why is GHS important?

GHS provides a logical and comprehensive way to classify chemicals using a uniform criteria. In addition GHS furnishes employees with the chemicals' hazard information as well as information on protective measures to be taken when handling chemicals. Global recognition means safer transport and handling of chemicals worldwide.

What does this mean for you?

The Occupational Safety and Health Administration (OSHA) adopted a ruling that changes its current Hazard Communication Standard (HCS) compliant labels to match the guidelines.

>> Starting in 2015 manufacturers will be required to include more specific elements that are in the GHS guidelines. This includes:

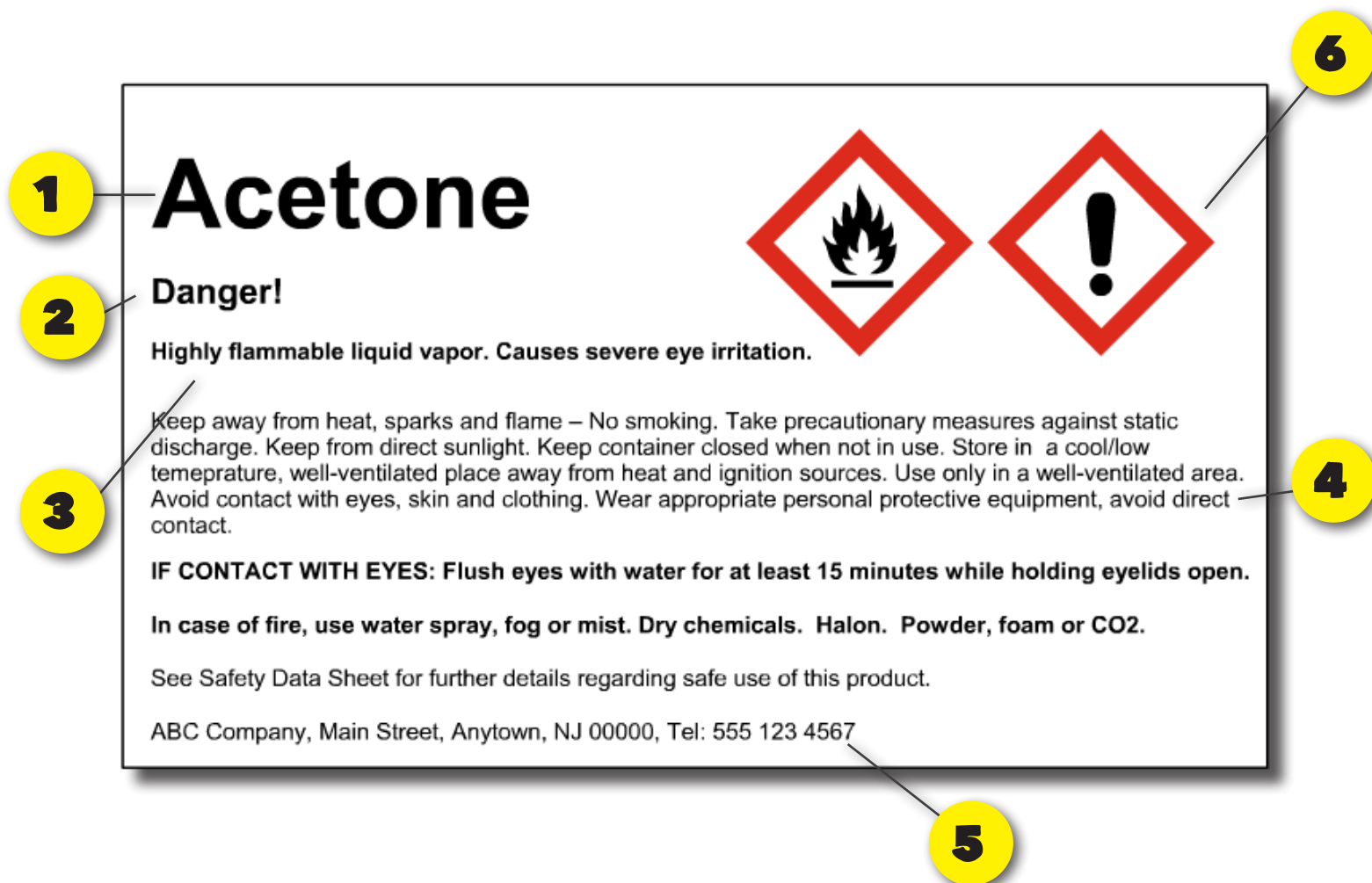
- ☐ Labels with signal words, pictograms, and hazard and precautionary statements.
- ☐ Pictograms or GHS symbols with **red borders**.



5 Facts About The Globally Harmonized System

1. GHS is *not* a global law or regulation, but rather a set of recommendations or a system. In fact countries are not required to adopt the GHS system.
2. By incorporating GHS into the Hazard Communication Standard (HCS), companies in the U.S. will be able to use a single set of materials cost effectively, thus be more competitive in other markets.
3. Over 65 countries have adopted the GHS system.
4. The GHS system first divides chemicals into "Hazard Classes", then into "Hazard Categories".
5. There are nine standard pictograms that are used in the GHS.

A look at the new GHS label



1 **Product Identifier** - Should match the product identifier on the Safety Data Sheet.

2 **Signal Word** - Either use “Danger” (severe) or “Warning” (less severe)

3 **Hazard Statements** - A phrase assigned to a hazard class that describes the nature of the product’s hazards.

4 **Precautionary Statements** - Describes recommended measures to minimize or prevent adverse effects resulting from exposure.

5 **Supplier Identification** - The name, address and telephone number of the manufacturer or supplier.

6 **Pictograms** - Graphical symbols intended to convey specific hazard information visually.

>> Note: All pictograms or GHS symbols must have a red border in order to comply.

Deadline for GHS compliance

The table below describes the effective GHS deadlines for US companies, along with the dates for US implementation of GHS.

Effective Completion Date	Requirement(s)	Who
December 1, 2013	Train employees on the new label elements and safety data sheet (SDS) format.	Employers
June 1, 2015* December 1, 2015**	Compliance with all modified provisions of this final rule, except: The Distributor shall not ship containers labeled by the chemical manufacturer or importer unless it is a GHS label.	Chemical manufacturers, importers, distributors and employers.
June 1, 2016	Update alternative workplace labeling and hazard communication program as necessary, and provide additional employee training for newly identified physical or health hazards.	Employers
Transition period to the effective completion dates noted above	May comply with either 29 CFR 1910.1200 (the final standard), or the current standard or both.	Chemical manufacturers, importers, distributors and employers.



GHS FAQs

Have questions about deadlines, or how the GHS system affects your facility? Visit the FAQ page concerning GHS labeling compliance on OSHA's website at:

<http://www.osha.gov/dsg/hazcom/hazcom-faq.html>

We'll do the hard work **for you**

Complete Labeling Solutions for the Hazardous Chemical Industry

Our goal is to simplify the GHS labeling compliance process for you. When it comes to labels, our experts will provide you with the solutions and tools you need to get GHS compliant. We currently offer B 324 (black resin) and C5440 (red resin) thermal transfer ribbons for your two color printing capability needs.



B324 Black Resin

Meets the GHS requirements and the BS5609 Standard for the GHS application.

B324 is resistant to chemicals such as:

- ☐ Isopropyl alcohol
- ☐ Common household cleaners
- ☐ Industrial cleaners, and more

Multi-purpose resin for the most demanding applications.



C5440 Red Resin

Meets the GHS requirements and the BS5609 Standard for the GHS application.

Some performance characteristics include:

- ☐ Abrasion resistance
- ☐ Scratch resistance
- ☐ Chemical resistance to common agents

Color resin with excellent performance characteristics.

>> Note: Both the B324 black resin ribbon and the C5440 red resin ribbon print at the same speed.



Order **today**

Save time and order your **BS5609 section 2 & 3 compliant** thermal transfer ribbons today.

Contact Great Lakes Label at 616-647-9880 or email us sales@greatlakeslabel.com.

We can print that

Not equipped for two color printing? No problem.

OSHA is proposing that all pictograms or GHS symbols must have a black symbol on a white background with a red diamond frame. The red border will make warnings more noticeable, effectively communicating the presence of a hazard.

Facilities who are printing variable information in black may now need a color printer to meet necessary changes. We understand that not all facilities are equipped with a two-color capable printer in order to print the red borders, thus complying with the stringent standard. Our facility is able to handle the printing for you.

We use BS5609 section 2 & 3 compliant label stock guaranteed to give you long lasting results.

Our label experts are here to help you smoothly transition to the new GHS standards. Need one less thing to worry about? Contact us for a hassle-free quote. Call us at **616-647-9880** or visit our website at www.greatlakeslabel.com.

Ready to get started?

Whether you need a quote or have a general labeling question, we're here to serve you. We are committed to providing you with excellent customer service.

Scan the QR code to get started.



GHS Compliance Labeling Made Easy

At Great Lakes Label we ensure that your finished product is of the highest quality. We know you have a lot to worry about. You can count on:

Excellent Customer Service

Get live help when you need it most. Our staff is available to answer any questions you may have about your label. Our customer service team is dedicated to your project from start to finish.

On Time Delivery

We are dedicated to delivering quality product on time, exceeding our customer's expectations.

Safety and Quality

For *four years in a row* we have received a **Superior Rating from AIB**, a **GMI Certified Print Facility** and we are **ISO 9001: 2008**.



Great Lakes Label^{LLC}

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