Globally Harmonized System Solutions

Your Hazard Communication Journey Starts Here

Companies that handle hazardous chemicals want to know exactly what GHS is and how it will affect the way they do business. For good reason: OSHA's updated Hazard Communication regulation means different requirements around chemical labeling and mandatory employee training.

With major changes underway, you want to turn to one source to guide you along your Hazard Communication journey. As your trusted business advisor for nearly 100 years, Brady has the information you need, as well as a plethora of products and valuable services to help you transition to the new system and stay compliant.

What is GHS?

GHS = Globally Harmonized System of Classification & Labeling of Chemicals

GHS is a system that's been created by the United Nations for standardizing the classification and labeling of chemicals throughout the world. In the United States, OSHA is enforcing GHS by adopting it into its Hazard Communication Standard by:

- Defining environmental, physical, and health hazards from chemicals
- Communicating these hazards and protective measures on labels and safety data sheets

  » *Under the GHS format, labels will include signal words, pictograms, and hazard and precautionary statements.*

Why does GHS matter?

Chemical import/export means big business
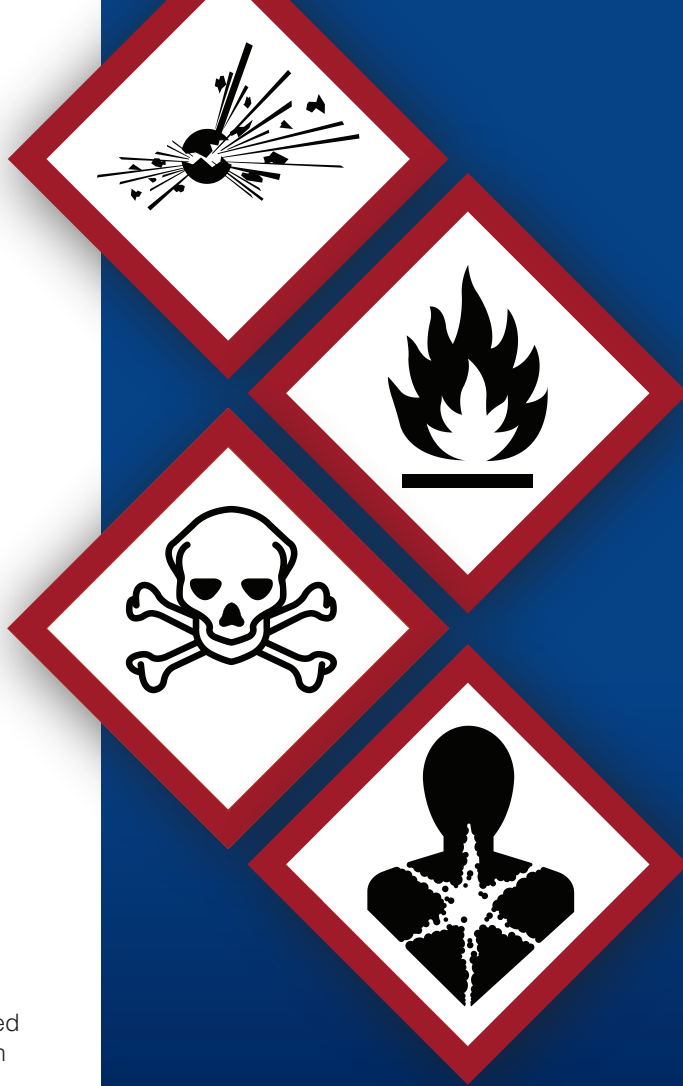
Globally, the production and use of chemicals is a more than $1.7 trillion per year enterprise ($400 billion in the US alone). With such an impact on the world economy, it's critical that the import and export of chemicals be made as safe and efficient as possible. The GHS standard globally helps keep workers safe and informed of chemical hazards.

How does the GHS standard impact you?

New labels & safety data sheets required

Per OSHA's updated Hazard Communication regulation, chemical manufacturers and importers must evaluate chemical hazards and make sure they are communicated properly. Employees must be educated so they understand the hazards and new labeling requirements.

  » *Under the GHS standard, all Safety Data Sheets (SDS) have been updated to a new 16-section format.*

Use the following checklist to get GHS compliant!

Chemical manufacturers, importers, distributors, and employers have until 2016 to fully comply with OSHA's updated Hazard Communication regulation (29 CFR 1910.1200).

- **Dec. 1, 2013:** All employees must be trained on label requirements and safety data sheet format

- **June 1, 2015:** Chemical manufacturers 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 training for newly identified hazards

BRADY® WHEN PERFORMANCE MATTERS MOST™

Six elements of the new Globally Harmonized Standard (GHS) label format

1. Signal Word:

Indicates relative level of hazard. "Danger" is used for most severe instances, while "Warning" is less severe.

2. Symbols (Hazard Pictograms):

Convey health, physical and environmental hazard information with red diamond pictograms. May use a combination of one to five symbols.

3. Product Name or Identifiers*
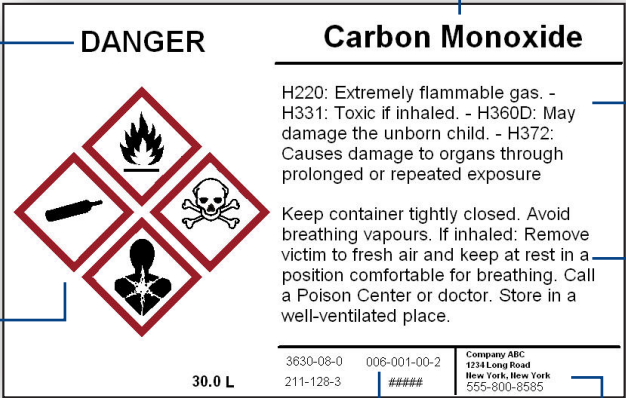
4. Hazard Statements:

Phrases that describe the nature of hazardous products and oftentimes the degree of hazard.

5. Precautionary Statements:

Phrases associated with each hazard statement, that describe general preventative, response, storage or disposal precautions.

6. Manufacturer Information:

Company name, address & telephone number.

Label

DANGER

Carbon Monoxide

H220: Extremely flammable gas. - H331: Toxic if inhaled. - H360D: May damage the unborn child. - H372: Causes damage to organs through prolonged or repeated exposure

Keep container tightly closed. Avoid breathing vapours. If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Center or doctor. Store in a well-ventilated place.

30.0 L

3630-08-0   006-001-00-2
211-128-3   #####

Company ABC
1234 Long Road
New York, New York
555-800-8585

* Additional Product Identifiers

GHS pictogram symbols and hazard classes

The new GHS symbols, also known as hazard pictograms, will be used to identify hazardous products and are commonly grouped by chemical/physical risk, health risk and environmental risk.

Chemical / Physical Risk

GHS Explosive
Explosives, self-reactives, organic peroxides

GHS Gas Pressure
Gases under pressure

GHS Oxidizing
Oxidizers

GHS Flammable
Flammable gases, liquids, & solids; self-reactives; pyrophorics; self-heating

GHS Corrosive
Corrosives

Health Risk

GHS Corrosive
Corrosives

GHS Severe Toxic
Acute toxicity (severe)

GHS Acute Toxic
Irritant, dermal sensitizer, acute toxicity (harmful)

GHS Health Danger
Carcinogens, respiratory sensitizers, reproductive toxicity, target organ toxicity, germ cell mutagens

Environmental Risk

GHS Environmental
Aquatic toxicity

BBP®31 Sign and Label Printer

Blank GHS Diamond Labels for the BBP®31 Label Printer

New pre-printed, pre-cut GHS labels for BBP®31 Sign and Label Printer allow you to create two-color GHS labels in one print pass. All you need are the supplies below and the latest version of our MarkWare™ Software.

- Blank labels with pre-printed red diamonds for two-color GHS labels in one print pass
- Three label sizes, each with six-diamond layouts match templates in MarkWare™ Software
- Indoor/outdoor vinyl material withstands exposure to moisture, chemicals, and handling

Fits Printer Model(s)	Diagram		Catalog #	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Row	Labels Per Roll	Rec. Ribbon
BBP31, BBP33	◇	L1 Diamond + Text	39F426	2.170 (55.0)	3.350 (85.0)	1	340	6UMW4
BBP31, BBP33	◇	L1 Diamond + Text	39F432	2.950 (75.0)	4.330 (110.0)	1	270	6UMW4
BBP31, BBP33	◇	L1 Diamond + Text	39F438	4.130 (105.0)	6.100 (155.0)	1	200	6UMW4
BBP31, BBP33	⬦	L2 Diamond + Text	39F427	2.170 (55.0)	3.350 (85.0)	1	340	6UMW4
BBP31, BBP33	⬦	L2 Diamond + Text	39F433	2.950 (75.0)	4.330 (110.0)	1	270	6UMW4
BBP31, BBP33	⬦	L2 Diamond + Text	39F439	4.130 (105.0)	6.100 (155.0)	1	200	6UMW4
BBP31, BBP33	⬦	L3A Diamond + Text	39F428	2.170 (55.0)	3.350 (85.0)	1	340	6UMW4
BBP31, BBP33	⬦	L3A Diamond + Text	39F434	2.950 (75.0)	4.330 (110.0)	1	270	6UMW4
BBP31, BBP33	⬦	L3A Diamond + Text	39F440	4.130 (105.0)	6.100 (155.0)	1	200	6UMW4
BBP31, BBP33	◇◇◇	L3B Diamond + Text	39F429	2.170 (55.0)	3.350 (85.0)	1	340	6UMW4
BBP31, BBP33	◇◇◇	L3B Diamond + Text	39F435	2.950 (75.0)	4.330 (110.0)	1	270	6UMW4
BBP31, BBP33	◇◇◇	L3B Diamond + Text	39F441	4.130 (105.0)	6.100 (155.0)	1	200	6UMW4
BBP31, BBP33	⬦◇◇	L4A Diamond + Text	39F430	2.170 (55.0)	3.350 (85.0)	1	340	6UMW4
BBP31, BBP33	⬦◇◇	L4A Diamond + Text	39F436	2.950 (75.0)	4.330 (110.0)	1	270	6UMW4
BBP31, BBP33	⬦◇◇	L4A Diamond + Text	39F442	4.130 (105.0)	6.100 (155.0)	1	200	6UMW4
BBP31, BBP33	⬦	L4B Diamond + Text	39F431	2.170 (55.0)	3.350 (85.0)	1	340	6UMW4
BBP31, BBP33	⬦	L4B Diamond + Text	39F437	2.950 (75.0)	4.330 (110.0)	1	270	6UMW4
BBP31, BBP33	⬦	L4B Diamond + Text	39F443	4.130 (105.0)	6.100 (155.0)	1	200	6UMW4

Catalog #	Description
6XGX4	BBP31 Sign & Label Maker*
6UNJ8	BBP31 Printer w/Brady 360® Basic plan and MarkWare™ Lean software
6UNK0	BBP31 Printer w/Brady 360® Basic plan
6UNJ9	BBP31 Printer w/Brady 360® Preferred plan

* BBP31 Sign & Label Printer ships with printer, power cord, USB cable, drivers CD, stylus, cleaning kit, cutter cleaning tool, quick start guide and documentation holder.

GlobalMark®2 Sign and Label Printer

Comply with GHS labeling standards using fewer supplies with the latest version of Brady's MarkWare™ Software, couple with the GlobalMark®2 Printer. Two print-passes produce the required two-color label, and the four supply parts below can produce all 18 different formats.

- Multi-color spot printing or full-color process printing
- Color & Cut Model cuts characters and shapes
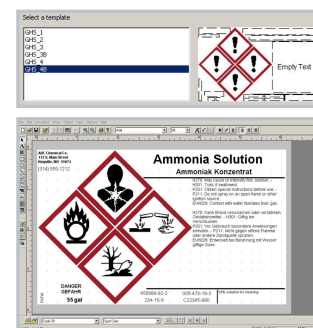- Wide range of materials to fit all your needs

Diagram	Catalog #	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Row	Labels Per Roll	Rec. Ribbon
B-595 White label roll	3PU29	4.000 (101.6)	100ft (30.5m)	- continuous supply -		3MU54
B-595 White label roll	3PU30	3.000 (76.2)	100ft (30.5m)	- continuous supply -		3MU54
B-595 White label roll	3PU31	2.250 (57.2)	100ft (30.5m)	- continuous supply -		3MU54
Black/Red Paneled Ribbon	3MU54	4" wide x 8" panel length		- 100 panel sets -		

Catalog #	Description
3MU69	GlobalMark MultiColor Printer
3MU70	GlobalMark Color & Cut Printer
4XM94	Markware Software (V3.9.1 or higher)

MarkWare™ Software now includes a GHS / CLP Label Module

- v3.9.1 or higher includes GHS/CLP Label Module
- 18 pre-formatted label layouts and approved GHS symbols are built-in – no need to set up the layout
- User selects approved pre-worded hazard statements and GHS symbols which then automatically populate into layout – no need to type everything in
- Prompts for additional variable data which then auto-populates into layout
- Choose a second language and MarkWare auto-populates in the second language

Catalog #20700 (current MarkWare users: upgrades to v3.9.1 are available)

Pre-Printed GHS Pictogram Labels

The GHS pictogram labels are offered on die-cut sheets in a variety of sizes. These nine pictogram formats are in accordance with the classification system used on GHS labels and safety data sheets.

- Three size options: 5/8", 1", and 2"
- Offered in two materials: B-7569 Vinyl and B-235 Coated Paper

Legend	Catalog #	Size	Material	Qty.
Flammable B-7569 Vinyl				
	39F445	5/8"	B-7569 Vinyl	39/card
	39F463	1"	B-7569 Vinyl	16/card
	39F481	2"	B-7569 Vinyl	4/card
Flammable B-235 Paper				
	39F454	5/8"	B-235 Paper	39/card
	39F472	1"	B-235 Paper	16/card
	39F490	2"	B-235 Paper	4/card
Explosive B-7569 Vinyl				
	39F444	5/8"	B-7569 Vinyl	39/card
	39F462	1"	B-7569 Vinyl	16/card
	39F480	2"	B-7569 Vinyl	4/card
Explosive B-235 Paper				
	39F453	5/8"	B-235 Paper	39/card
	39F471	1"	B-235 Paper	16/card
	39F489	2"	B-235 Paper	4/card
Oxidizing B-7569 Vinyl				
	39F446	5/8"	B-7569 Vinyl	39/card
	39F464	1"	B-7569 Vinyl	16/card
	39F482	2"	B-7569 Vinyl	4/card
Oxidizing B-235 Paper				
	39F455	5/8"	B-235 Paper	39/card
	39F473	1"	B-235 Paper	16/card
	39F491	2"	B-235 Paper	4/card

Legend	Catalog #	Size	Material	Qty.
Gas Pressure B-7569 Vinyl				
	39F447	5/8"	B-7569 Vinyl	39/card
	39F465	1"	B-7569 Vinyl	16/card
	39F483	2"	B-7569 Vinyl	4/card
Gas Pressure B-235 Paper				
	39F456	5/8"	B-235 Paper	39/card
	39F474	1"	B-235 Paper	16/card
	39F492	2"	B-235 Paper	4/card
Corrosive B-7569 Vinyl				
	39F448	5/8"	B-7569 Vinyl	39/card
	39F466	1"	B-7569 Vinyl	16/card
	39F484	2"	B-7569 Vinyl	4/card
Corrosive B-235 Paper				
	39F457	5/8"	B-235 Paper	39/card
	39F475	1"	B-235 Paper	16/card
	39F493	2"	B-235 Paper	4/card
Severe Toxic B-7569 Vinyl				
	39F449	5/8"	B-7569 Vinyl	39/card
	39F467	1"	B-7569 Vinyl	16/card
	39F485	2"	B-7569 Vinyl	4/card
Severe Toxic B-235 Paper				
	39F458	5/8"	B-235 Paper	39/card
	39F476	1"	B-235 Paper	16/card
	39F494	2"	B-235 Paper	4/card

Legend	Catalog #	Size	Material	Qty.
Health Danger B-7569 Vinyl				
	39F450	5/8"	B-7569 Vinyl	39/card
	39F468	1"	B-7569 Vinyl	16/card
	39F486	2"	B-7569 Vinyl	4/card
Health Danger B-235 Paper				
	39F459	5/8"	B-235 Paper	39/card
	39F477	1"	B-235 Paper	16/card
	39F495	2"	B-235 Paper	4/card
Acute Toxic B-7569 Vinyl				
	39F451	5/8"	B-7569 Vinyl	39/card
	39F469	1"	B-7569 Vinyl	16/card
	39F487	2"	B-7569 Vinyl	4/card
Acute Toxic B-235 Paper				
	39F460	5/8"	B-235 Paper	39/card
	39F478	1"	B-235 Paper	16/card
	39F496	2"	B-235 Paper	4/card
Environmental B-7569 Vinyl				
	39F452	5/8"	B-7569 Vinyl	39/card
	39F470	1"	B-7569 Vinyl	16/card
	39F488	2"	B-7569 Vinyl	4/card
Environmental B-235 Paper				
	39F461	5/8"	B-235 Paper	39/card
	39F479	1"	B-235 Paper	16/card
	39F497	2"	B-235 Paper	4/card

SDS Binder Centers & Binders

In accordance with the GHS standard, the formerly used Material Safety Data Sheets (MSDS) are now referred to as Safety Data Sheets (SDS). Brady's SDS Binders have been updated to reflect the change in terminology and the new 16-section format.

Our binder centers incorporate the new SDS Binders with a "Right to Know Compliance Center" backboard and wire rack. These highly visible centers are a great place to store your SDS so they are easily accessible to all employees.

SDS Binder Centers:
- Contents include a 1.5" SDS binder, "Right to Know Compliance Center" backboard, and yellow wire rack
- Offered in two versions: English and Spanish
- Center size: 20" H x 14" W x 4.5" D

Catalog #	Description
39F498	SDS Center – English
39F499	SDS Center – English/Spanish

SDS Binders:
- Offered in three versions: English, English/Spanish, and English/French
- Available in two sizes: 1.5" spine and 3" spine
- Includes a chain and pair of sheet lifters

Catalog #	Description
39F501	1.5" SDS Binder, English
39F502	3" SDS Binder, English
39F503	1.5" SDS Binder, English/Spanish
39F504	3" SDS Binder, English/Spanish
39F505	3" SDS Binder, English/French

GHS Hazard Communication Training

GHS Hazard Communication Training Program

- Focuses on NEW GHS elements and assists in fulfilling an initial training requirement
- Includes 2 videos, GHS Labeling (14 mins) and GHS Safety Data Sheets (10 mins), that will help employees:
  - Understand the new GHS label elements
  - Identify the new GHS pictograms
  - Read and interpret the new GHS Safety Data Sheets
- Includes a comprehensive instructor's guide, employee quiz, and accompanying PowerPoint presentations and 5 Employee Handbooks (Additional handbooks also available)

Hazard Communication Comprehensive Training Program

- Intended to be a fully comprehensive Hazard Communication training program that can be used to fulfill a typical annual refresher requirement
- Includes a comprehensive training video on OSHA's Hazard Communication Regulation (1910.1200) including the updates to GHS
- This program is intended to ensure that employees:
  - Understand types of hazardous materials in the workplace
  - Can read and understand labels and Safety Data Sheets
  - Understand how to safety use hazardous materials
- Includes a comprehensive instructor's guide, employee quiz, accompanying PowerPoint presentations and 5 Employee Handbooks (Additional handbooks also available)

Catalog #	Description	Qty.
132428*	GHS Hazcom Training Program Kit	1
132429*	GHS Hazcom Training Program Employee Handbooks	5
132457*	Hazard Communication Full Training Program Kit	1
132458*	Hazard Communication Full Training Program Employee Handbooks	5

Items available through Grainger Sourcing only.

Let Brady Experts Help You Get GHS Compliant

When it comes to GHS hazard communications, Brady offers a variety of consultative compliance services to help your facility comply with safety regulations, as well as educational seminars, webinars, and online learning options.

GHS Workshops

Using active learning methods, our three-day workshop engages participants to visually transform a focus area of their facility from current-state labeling into a GHS-compliant area.

Instructor-Led Seminars

In addition to GHS workshops, Brady experts also host a number of compliance seminars. Our training offerings are flexible, allowing you to attend a seminar at our corporate classroom, or on-site at your facility to meet your needs and timing. The curriculum is focused on the most prevalent customer business issues.

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For more information contact your Grainger Representative or visit Grainger.com®

AVAILABLE THROUGH

GRAINGER®

FOR THE ONES WHO GET IT DONE