



# GHS

## Globally Harmonized System Solutions

Education. Training. Labeling.  
Organization. Compliance.

# Implementing Your Updated Hazard Communication Program

OSHA's update to its Hazard Communication Standard changes the requirements when it comes to chemical labeling and mandatory employee training. This means you need to know exactly what the Global Harmonized System (GHS) is and how it affects your business. That's where we come in. As your trusted business advisor for over 100 years, Brady offers the information you need and a wide variety of products and 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 through its updated Hazard Communication Standard (CFR 1910.1200):

- Defining environmental, physical and health hazards from chemicals
- Communicating these hazards and protective measures on standardized labels and Safety Data Sheets (SDS)

» *Under the new GHS format, labels have 6 elements and SDS sheets have 16 elements.*

## 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 U.S. alone). Chemical labeling has appeared differently based on different regional requirements. 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.



### Number of Federal OSHA HazCom Violations\*




(In Fiscal Years)

\*#2 on OSHA's Top 10 list of most frequently cited standards for 2015.

## Compliance Timeline and Checklist

- Schedule and document periodic re-training on pictograms, labels and SDS
- Post GHS signs, posters, and hand out wallet cards
- Be able to demonstrate that workers clearly understand the hazards associated with each chemical they're exposed to, along with practice measures they must take
- Separate SDS and Material Safety Data Sheet (MSDS) binders and sheets as part of the management system. This will help you create secondary container labels with SDS information and determine which chemicals haven't been updated

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- Update your chemical database as new SDSs are received
  - Review and ensure that all MSDS for any chemicals received after December 1, 2015, have been converted to SDS format
  - Notify and document your communications with suppliers who have not provided new SDS information
  - Audit all containers for compliance with updated regulations. Establish policies to control improperly labeled containers

**December 1, 2013**

Employers must train employees on the new label elements and Safety Data Sheet (SDS) format.

**June 1, 2015**


Chemical manufacturers, importers and distributors reclassify chemicals, send SDS & labels in GHS format.

**December 1, 2015**

**Distributors send only updated SDS & labels.**

**June 1, 2016**

**Employer full compliance deadline.**

- 
- Identify secondary container labeling needs and procedures
  - Purchase GHS labeling equipment and supplies
  - Implement labeling procedures (create your own labels or order preprinted versions) based on new SDS sheets
  - Archive old MSDS for determined amount of time (We recommend 30 years)
  - Re-train on GHS as well as your existing HazCom system (NFPA/HMIS) until full conversion to GHS is complete

- Ensure your training policy is in place, including new and existing chemical and internal product changes. Annual training is always recommended
- Update and complete a written HazCom program that includes a system of labeling, pictograms, training schedule and how/where to obtain more information
- Perform audits as conditions change or once a year to ensure program effectiveness

- Note any new hazards identified on SDS and potential Personal Protection Equipment (PPE) changes. As new chemicals are brought into your facility, new hazard and PPE needs may be created
- Ensure your written HazCom program is updated and reflects all internal and external changes
- Provide training to all new employees working with hazardous chemicals



# Label Format and SDS Elements

## 6 Label Elements

### #6 | Manufacturer Information

Company name, address & telephone number. (SDS Section 1)

### #3 | Product Name or Identifiers\*

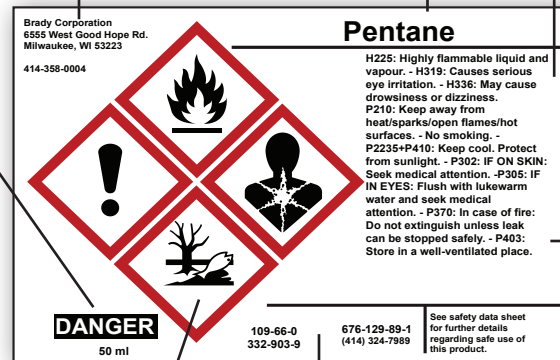
(SDS Section 1)

### #4 | Hazard Statements

Phrases that describe the nature of hazardous products and associated risks if precautionary action is not taken. (SDS Section 2)

### #1 | Signal Word

Indicates relative severity of hazard. "Danger" is used for most severe instances, while "Warning" is less severe. (SDS Section 2)



### #5 | Precautionary Statements

Phrases associated with each hazard statement, that describe general preventative, response, storage or disposal precautions. (SDS Section 2)

### #2 | Symbols (Hazard Pictograms)

Convey health, physical and environmental hazard information with red diamond pictograms. May use a combination of one to five symbols. (SDS Section 2)

\* Additional Product Identifiers

## 16 Elements of Safety Data Sheets

OSHA's updated Hazard Communication Standard requires that the chemical manufacturer, distributor or importer provide Safety Data Sheets (SDS) for each hazardous chemical to communicate information on these hazards. Each SDS is required to be presented in a consistent format, including the following sections:

- **Section 1: Identification** Chemical name, recommended uses and supplier contact information.
- **Section 2: Hazard(s) Identification** Hazards of the chemical and the appropriate warning information.
- **Section 3: Composition/ Information of Ingredients** Ingredients contained in the products.
- **Section 4: First-Aid Measures** Initial care that should be given by an untrained responder to an individual exposed to the chemical.
- **Section 5: Fire-Fighting Measures** Recommendations for fighting a fire caused by the chemical.
- **Section 6: Accidental Release Measures** Appropriate response to spills, leaks or releases, including containment and cleanup practices.
- **Section 7: Handling and Storage** Safe handling practices and conditions for safe storage of the chemical.
- **Section 8: Exposure Controls/ Personal Protection** Exposure limits, engineering controls and personal protective measures to minimize worker exposure.
- **Section 9: Physical and Chemical Properties** Physical and chemical properties associated with the substance or mixture.
- **Section 10: Stability and Reactivity** Reactivity hazards and stability information.
- **Section 11: Toxicology Information** Information regarding toxicological and health effects, or an indication that such data is unavailable.
- **Section 12: Ecological Information** Environmental impact of the chemical if it were released into the environment.
- **Section 13: Disposal Considerations** Proper disposal and recycling, or reclamation and safe handling practices.
- **Section 14: Transport Information** Classification information for shipping and transporting.
- **Section 15: Regulatory Information** Safety, health and environmental regulations specific for the product that is not indicated anywhere else on the SDS.
- **Section 16: Other Information** When the SDS was prepared or when the last known revision was made.



# GHS Pictogram Symbols and Hazard Classes

The GHS symbols, also known as hazard pictograms, each serve a special purpose and are used to identify hazardous products. While the environmental pictogram was not mandated by OSHA, it is listed because it may be required by other agencies for labeling. The pictogram symbols are commonly broken down into three hazard classes: Chemical/Physical Risk, Health Risk and Environmental Risk.

## Chemical / Physical Risk



### Corrosive

(Corrosion Pictogram)



Identifies chemicals with the following hazards:

- Skin corrosion/burns
- Eye damage
- Corrosive metals

## Environmental Risk



### Gas Cylinder

(Cylinder Pictogram)



Identifies chemicals with the following hazards:

- Gasses under pressure

## Health Risk



### Oxidizing

(Flame Over Letter "O" Pictogram)



Identifies chemicals with the following hazards:

- Oxidizers



### Flame

(Flame Pictogram)



Identifies chemicals with the following hazards:

- Flammables
- Pyrophorics
- Self-heating
- Emits flammable gas
- Self-reactives
- Organic peroxides



### Explosive

(Exploding Bomb Pictogram)



Identifies chemicals with the following hazards:

- Explosives
- Self-reactives
- Organic peroxides



### Acute Toxic

(Exclamation Mark Pictogram)



Identifies chemicals with the following hazards:

- Irritant (skin & eye)
- Skin sensitizer
- Acute toxicity (harmful)\*
- Narcotic effects
- Respiratory tract infection
- Hazardous ozone layer (non mandatory)

\* GHS severe toxicity symbol is used for fatal and severe toxicity.



### Health Hazard

(Health Hazard Pictogram)



Identifies chemicals with the following hazards:

- Carcinogen
- Mutagenicity
- Reproductive toxicity
- Respiratory sensitizer
- Target organ toxicity
- Aspiration toxicity



### Severe Toxic

(Skull & Cross Bones Pictogram)



Identifies chemicals with the following hazards:

- Acute toxicity (fatal or toxic)\*

\* GHS Acute Toxic symbol is used for less severe toxicity.



### Environmental (not mandated in U.S.)

(Environment Pictogram)



Identifies chemicals with the following hazards:

- Aquatic toxicity

## Hazard Communication Training Program

OSHA has required all employees who are covered under the 29 CFR 1910.1200 regulation to complete initial training on the new Hazard Communication Standard updates and the GHS elements. To help you achieve and sustain complete compliance, Brady offers a full suite of training options.

For more information on this and other Brady Safety Software & Services offerings email: [safetyservices@brady.com](mailto:safetyservices@brady.com)



### Train-the-Trainer (In person on-site)

#### USED FOR: TRAINING A TRAINER

- Complete four-hour training program covers OSHA's Hazard Communication Standard including:
  - Updated HazCom regulations and GHS label elements
  - Overview of changes to your written HazCom program and Chemical Inventory
  - New requirements for Safety Data Sheets (SDS)
  - Identifying and understanding new GHS pictograms
- Once completed, attendees will be able to successfully administer the latest HazCom and GHS training requirements to their fellow internal employees
- Instructed by one of Brady's in-house compliance and safety experts
- Includes a detailed reference guide and two editable PowerPoint presentations

### GHS HazCom Training Program (DVD)

#### USED FOR: INITIAL TRAINING

- Two-video program focused specifically on the **new** GHS elements
- Fulfills an initial training requirement
- Program is intended to ensure employees:
  - Understand the new GHS label elements
  - Are able to identify the new GHS pictograms
  - Are able to read and interpret GHS Safety Data Sheets (SDS)
- Includes: DVD with two videos (14 minute GHS Labeling Video & 10 minute GHS SDS Video), instructor's guide, employee quiz, PowerPoint presentations and five Employee Handbooks

Catalog #	Description	Qty.
10796-494	GHS HazCom Training Program Kit	1
10810-256	Bilingual GHS HazCom Training Program Kit - English/Spanish presentations - English-only handbook (hardcopy format) - Spanish-only handbook (printable PDF format)	1
10796-492	Additional GHS HazCom Training Employee Handbooks (English)	5

### Awareness Training (In person on-site)

#### USED FOR: TRAINING EMPLOYEES

- Complete one-hour training course covering OSHA's Hazard Communication Standard including:
  - Updated HazCom regulations and GHS label elements
  - New requirements for Safety Data Sheets (SDS)
  - Identifying and understanding new GHS pictograms
  - Hazard & precautionary statement overview
- Instructed by one of Brady's in-house compliance and safety experts
- Meets OSHA training requirements for the HazCom employee training 1910.1200

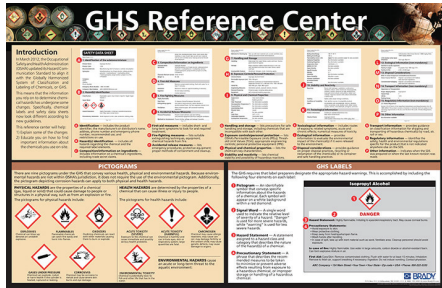
### HazCom Comprehensive Training Program (DVD)

#### USED FOR: ANNUAL REFRESHER



- Fully comprehensive training program on OSHA's Hazard Communication Regulation (1910.1200) including GHS
- Annual refresher requirement
- Program is intended to ensure employees:
  - Understand types of hazardous materials in the workplace
  - Are able to read and understand labels and Safety Data Sheets (SDS)
  - Are able to understand how to safely use hazardous materials
- Includes: DVD, instructor's guide, employee quiz, PowerPoint presentations and five Employee Handbooks

Catalog #	Description	Qty.
10796-278	HazCom Comprehensive Training Program Kit	1
10796-534	Additional HazCom Comprehensive Training Employee Handbooks	5



## GHS Reference Center Poster

- This all-inclusive, large format poster gets worker's attention and combines many of the most important changes into one easy-to-read format
- Includes detailed information on:
  - Safety Data Sheet (SDS) format
  - GHS-formatted label elements
  - GHS Hazard Pictograms

Catalog #	Description	Size H x W (in)	Qty.
10154-260	GHS Reference Poster	25.5 x 39.5	1



## GHS Pictograms Wallet Cards

- Wallet Cards outline all nine of the new GHS Hazard Pictograms
- A great training aid to help employees become familiar with the new hazard pictograms, and a handy reference for when the new GHS labels are entering your facility
- Made of laminated cardstock

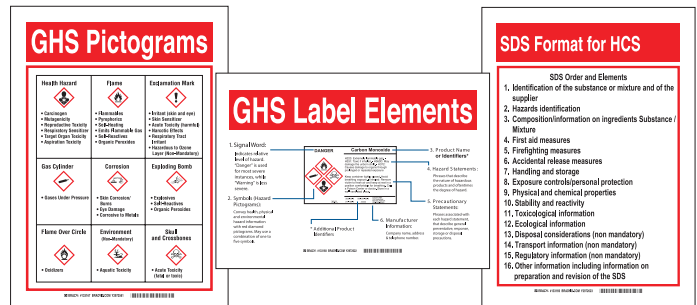
Catalog #	Description	Size H x W (in)	Qty.
10810-452	GHS Wallet Cards	2.1 x 3.4	10/pk



## GHS Intro Poster Pack

- Set of three informational posters puts critical GHS information in different parts of your facility and promotes employee understanding
- Posters outline:
  - An overview of GHS
  - Information regarding the new Safety Data Sheets (SDS) format and outline
  - Information regarding the new GHS-formatted label elements

Catalog #	Description	Size H x W (in)	Qty.
10810-242	GHS Intro Posters	17 x 22	1 set of 3



**NEW!**

## GHS Signs

- Post signs to reinforce label, pictogram and SDS training at a glance
- Choice of fiberglass (B-140) or self-sticking signs (B-302)

Catalog #	Description	Size H x W (in)	Material
10796-500	GHS Pictogram Overview Sign	14 x 10	B-140
10796-498	GHS Label Elements Sign	10 x 14	B-140
10796-300	SDS Format Overview Sign	14 x 10	B-140
10796-532	GHS Pictogram Overview Sign	14 x 10	B-302
10796-496	GHS Label Elements Sign	10 x 14	B-302
10796-302	SDS Format Overview Sign	14 x 10	B-302



# Do-It-Yourself Labeling Solutions

## BBP®30/BBP®31/BBP®33 Sign and Label Printers

Pre-printed, pre-cut GHS labels for BBP30/31/33 sign and label printers allow you to create two-color GHS labels in one print pass. With a built-in GHS app, all you need are the supplies below and a BBP30, 31 or 33 printer.

- 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 the built-in GHS app and the Brady Workstation GHS Labels App
- Indoor/outdoor vinyl material withstands exposure to moisture, chemicals and handling
- Ultra-easy 20-second material changeovers with drop-lock-and-print supplies



Catalog #	Description
10834-022	BBP30 Label Printer*
89175-158	BBP31 Sign & Label Maker*
53519-888	BBP33 Label Printer with Auto Cutter*
10796-168	GHS Labels app for Brady Workstation (download)

\* BBP30/BBP31/BBP33 sign & label printers ship with printer, power cord, USB cable, drivers CD, stylus, cleaning kit, cutter cleaning tool, quick start guide, documentation holder and 5 year warranty.

Fits Printer Model(s)	Diagram		Catalog #	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Row	Labels Per Roll	Rec. Ribbon
BBP30, 31, 33, 35, 37		L1 Diamond + Text	53520-004	2.170 (55.0)	3.350 (85.0)	1	340	89175-106
BBP30, 31, 33, 35, 37		L1 Diamond + Text	53520-016	2.950 (75.0)	4.330 (110.0)	1	270	89175-106
BBP30, 31, 33, 35, 37		L1 Diamond + Text	53520-028	4.130 (105.0)	6.100 (155.0)	1	200	89175-106
BBP30, 31, 33, 35, 37		L2 Diamond + Text	53520-006	2.170 (55.0)	3.350 (85.0)	1	340	89175-106
BBP30, 31, 33, 35, 37		L2 Diamond + Text	53520-018	2.950 (75.0)	4.330 (110.0)	1	270	89175-106
BBP30, 31, 33, 35, 37		L2 Diamond + Text	53520-030	4.130 (105.0)	6.100 (155.0)	1	200	89175-106
BBP30, 31, 33, 35, 37		L3A Diamond + Text	53520-008	2.170 (55.0)	3.350 (85.0)	1	340	89175-106
BBP30, 31, 33, 35, 37		L3A Diamond + Text	53520-020	2.950 (75.0)	4.330 (110.0)	1	270	89175-106
BBP30, 31, 33, 35, 37		L3A Diamond + Text	53520-032	4.130 (105.0)	6.100 (155.0)	1	200	89175-106
BBP30, 31, 33, 35, 37		L3B Diamond + Text	53520-010	2.170 (55.0)	3.350 (85.0)	1	340	89175-106
BBP30, 31, 33, 35, 37		L3B Diamond + Text	53520-022	2.950 (75.0)	4.330 (110.0)	1	270	89175-106
BBP30, 31, 33, 35, 37		L3B Diamond + Text	53520-034	4.130 (105.0)	6.100 (155.0)	1	200	89175-106
BBP30, 31, 33, 35, 37		L4A Diamond + Text	53520-012	2.170 (55.0)	3.350 (85.0)	1	340	89175-106
BBP30, 31, 33, 35, 37		L4A Diamond + Text	53520-024	2.950 (75.0)	4.330 (110.0)	1	270	89175-106
BBP30, 31, 33, 35, 37		L4A Diamond + Text	53520-036	4.130 (105.0)	6.100 (155.0)	1	200	89175-106
BBP30, 31, 33, 35, 37		L4B Diamond + Text	53520-014	2.170 (55.0)	3.350 (85.0)	1	340	89175-106
BBP30, 31, 33, 35, 37		L4B Diamond + Text	53520-026	2.950 (75.0)	4.330 (110.0)	1	270	89175-106
BBP30, 31, 33, 35, 37		L4B Diamond + Text	53520-038	4.130 (105.0)	6.100 (155.0)	1	200	89175-106

## BBP®35/BBP®37 Sign and Label Printers

Comply with GHS labeling standards with fewer supplies with Brady Workstation GHS Label App and a BBP35/BBP37 sign and label printer.

- Multi-color printing with a black/red ribbon on white tape helps to reduce supply inventory
- Blank labels with pre-printed red diamonds allow label creation in 1 print pass
- 3 sizes of labels and 6 diamond layouts that match templates in the built-in GHS app and the Brady Workstation GHS App
- Shape and text cutting capabilities (BBP37 only) for other identification projects
- Indoor/outdoor vinyl can withstands moisture, chemicals and handling



Catalog #	Description
10018-434	BBP35 Multicolor Sign & Label Printer
10017-938	BBP37 Color & Cut Sign & Label Printer
10796-168	GHS Labels app for Brady Workstation (download)

Catalog #	Description	Width Inch (mm)	Length Inch (mm)
89175-032	B595 White Vinyl	2.250 (57.5)	100 ft. (30.5 m)
89175-036	B595 White Vinyl	4.000 (101.6)	100 ft. (30.5 m)
10017-954	8.000" (203.2) Panel Black/Red Ribbon	4.330 (101.9)	200 ft. (60.9 m)

\* Printer ships with, cleaning kit, cutter cleaning tool, power cord, quick start guide, USB cable and 5 year warranty.

## BBP®85 Sign and Label Printer

Create highly-visible signs and labels with the BBP®85 printer. With the Brady Workstation GHS Labels App and easy walk-up printing, this user-friendly, large-format printer allows you to print materials from 4" to 10" wide in up to four colors.



- Blank labels with pre-printed red diamonds save time during label design
- Six diamond layouts available in two sizes each
- Indoor/outdoor vinyl can withstand moisture, chemicals and handling
- Use built-in GHS app or the Brady Workstation GHS Labels App (for added features)

Service temp: -4°F to 180°F Application temp: 50°F to 180°F Average outdoor durability: 3-5 years

Catalog #	Description
10796-168	GHS Labels app for Brady Workstation (download)
10796-472	BBP®85 Sign & Label Printer

\* Printer ships with documentation CD, printer driver CD, power cord, USB cord, quick start guide, cleaning kit and 5 year warranty.

Catalog #	Legend	Label Height A Inch (mm)	Label Width B Inch (mm)	Labels Per Row	Labels Per Roll	Rec. Ribbon
10810-248		4.100 (104.1)	6.100 (154.9)	1	90	10841-222
10810-270		6.100 (154.9)	8.300 (210.8)	1	70	10841-222
10810-250		4.100 (104.1)	6.100 (154.9)	1	90	10841-222
10810-272		6.100 (154.9)	8.300 (210.8)	1	70	10841-222
10810-252		4.100 (104.1)	6.100 (154.9)	1	90	10841-222
10810-274		6.100 (154.9)	8.300 (210.8)	1	70	10841-222
10810-238		4.100 (104.1)	6.100 (154.9)	1	90	10841-222
10810-276		6.100 (154.9)	8.300 (210.8)	1	70	10841-222
10810-240		4.100 (104.1)	6.100 (154.9)	1	90	10841-222
10810-278		6.100 (154.9)	8.300 (210.8)	1	70	10841-222
10810-268		4.100 (104.1)	6.100 (154.9)	1	90	10841-222
10810-280		6.100 (154.9)	8.300 (210.8)	1	70	10841-222

## Brady Workstation GHS Labels App

Creating GHS labels is now amazingly simple. Start with the data from your SDS sheets, enter it into the GHS Labels App one time and you can create any size label and print it at any time.

- Built-in pre-formatted label layouts and GHS pictograms
- Pre-worded hazard statements and pictograms that just click and drag into the layout (no need to type it in)
- Once you create a label, the data is there and you can print any size in a single click
- Automatic “block-out” of unused diamonds on pre-printed supplies so you can inventory fewer label rolls
- No driver needed when connected to a Brady BBP®31, 33, 35, 37 or 85 printer



Catalog #	Description
Free Download	Brady Workstation Program
10796-168	GHS Labels app for Brady Workstation (download)

\* Visit [workstation.bradyid.com](http://workstation.bradyid.com). Check the website for up-to-date app.

### MSDSonline Partnership

MSDSonline customers can use SDSs from their system to create labels formatted with GHS elements, and then print them to Brady's BBP®31 or 33 printer (Applies to 2" x 3", 4-diamond labels)

# Pre-Printed Signs

## Chemical & Hazardous Material Signs

Revising and updating your chemical safety signs is a best practice that aligns well with re-labeling your chemicals. Brady has over 13,000 signs to keep you compliant and your employees safe. Contact your distributor or visit [BradyID.com](http://BradyID.com) for a full selection.

### Sign Materials Options

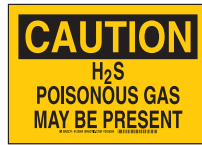
- B-120** - Premium Fiberglass
- B-302** - Self-Sticking Polyester
- B-401** - Plastic
- B-555** - Aluminum



10810-658 10" x 14" B-120  
 10810-386 7" x 10" B-302  
 10810-388 10" x 14" B-302  
 10810-664 7" x 10" B-401  
 10810-666 10" x 14" B-401  
 10810-606 10" x 14" B-555



10810-660 7" x 10" B-120  
 10810-668 10" x 14" B-120  
 10810-392 7" x 10" B-302  
 10810-390 10" x 14" B-302  
 10810-672 7" x 10" B-401  
 10810-670 10" x 14" B-401  
 10841-378 7" x 10" B-555  
 10810-622 10" x 14" B-555



10810-378 7" x 10" B-302  
 10810-380 10" x 14" B-302  
 10810-590 7" x 10" B-401  
 10810-588 10" x 14" B-401  
 10810-422 7" x 10" B-555  
 10810-424 10" x 14" B-555



10810-384 7" x 10" B-302  
 10810-382 10" x 14" B-302  
 10810-596 7" x 10" B-401  
 10810-594 10" x 14" B-401  
 10810-600 7" x 10" B-555  
 10810-598 10" x 14" B-555



10810-592 10" x 14" B-120  
 10810-374 7" x 10" B-302  
 10810-376 10" x 14" B-302  
 10810-656 7" x 10" B-401  
 10810-654 10" x 14" B-401  
 10810-604 7" x 10" B-555  
 10810-602 10" x 14" B-555



10841-224 7" x 10" B-302  
 10841-226 10" x 14" B-302  
 10841-344 10" x 14" B-401  
 10841-346 7" x 10" B-555  
 10841-348 10" x 14" B-555



10810-584 7" x 10" B-120  
 10810-586 10" x 14" B-120  
 10810-370 7" x 10" B-302  
 10810-372 10" x 14" B-302  
 10810-580 7" x 10" B-401  
 10810-582 10" x 14" B-401  
 10810-418 7" x 10" B-555  
 10810-420 10" x 14" B-555



10810-576 7" x 10" B-120  
 10810-578 10" x 14" B-120  
 10810-358 7" x 10" B-302  
 10810-360 10" x 14" B-302  
 10810-566 7" x 10" B-401  
 10810-568 10" x 14" B-401  
 10810-728 7" x 10" B-555  
 10810-730 10" x 14" B-555



10810-558 7" x 10" B-120  
 10810-562 10" x 14" B-120  
 10810-366 7" x 10" B-302  
 10810-368 10" x 14" B-302  
 10810-408 7" x 10" B-401  
 10810-574 10" x 14" B-401  
 10810-718 7" x 10" B-555  
 10810-726 10" x 14" B-555



10810-552 7" x 10" B-120  
 10810-554 10" x 14" B-120  
 10810-362 7" x 10" B-302  
 10810-364 10" x 14" B-302  
 10810-570 7" x 10" B-401  
 10810-572 10" x 14" B-401  
 10810-732 7" x 10" B-555  
 10810-734 10" x 14" B-555



10810-560 10" x 14" B-120  
 10810-356 10" x 14" B-302  
 10810-402 7" x 10" B-401  
 10810-406 10" x 14" B-401  
 10810-414 7" x 10" B-555  
 10810-416 10" x 14" B-555



10841-408 7" x 10" B-120  
 10841-434 10" x 14" B-120  
 10841-350 3-1/2" x 5" B-302  
 10841-358 7" x 10" B-302  
 10841-360 10" x 14" B-302  
 10841-478 7" x 10" B-401  
 10841-480 10" x 14" B-401  
 10841-482 7" x 10" B-555  
 10841-484 10" x 14" B-555



10810-564 7" x 10" B-120  
 10810-556 10" x 14" B-120  
 10810-534 7" x 10" B-302  
 10810-532 10" x 14" B-302  
 10810-400 7" x 10" B-401  
 10810-244 10" x 14" B-401  
 10810-410 7" x 10" B-555  
 10810-412 10" x 14" B-555



10810-482 7" x 10" B-120  
 10810-536 10" x 14" B-120  
 10810-538 14" x 20" B-120  
 10810-526 3-1/2" x 5" B-302  
 10810-524 7" x 10" B-302  
 10810-068 10" x 14" B-302  
 10810-484 7" x 10" B-401  
 10810-486 10" x 14" B-401  
 10810-696 7" x 10" B-555  
 10810-694 10" x 14" B-555



10810-492 7" x 10" B-120  
 10810-496 10" x 14" B-120  
 10810-516 7" x 10" B-302  
 10810-518 10" x 14" B-302  
 10810-488 7" x 10" B-401  
 10810-490 10" x 14" B-401  
 10810-704 7" x 10" B-555  
 10810-706 10" x 14" B-555



10810-500 7" x 10" B-120  
 10810-540 10" x 14" B-120  
 10810-520 7" x 10" B-302  
 10810-522 10" x 14" B-302  
 10810-494 7" x 10" B-401  
 10810-498 10" x 14" B-401  
 10810-708 7" x 10" B-555  
 10810-716 10" x 14" B-555



10810-546 7" x 10" B-120  
 10810-544 10" x 14" B-120  
 10810-530 7" x 10" B-302  
 10810-528 10" x 14" B-302  
 10810-542 7" x 10" B-401  
 10810-548 10" x 14" B-401  
 10810-702 7" x 10" B-555  
 10810-698 10" x 14" B-555



10841-362 10" x 14" B-120  
 10841-364 7" x 10" B-302  
 10841-366 10" x 14" B-302  
 10841-368 7" x 10" B-401  
 10841-372 10" x 14" B-401  
 10841-374 7" x 10" B-555  
 10841-376 10" x 14" B-555



10810-474 7" x 10" B-120  
 10810-472 10" x 14" B-120  
 10810-514 7" x 10" B-302  
 10810-512 10" x 14" B-302  
 10810-468 7" x 10" B-401  
 10810-476 10" x 14" B-401  
 10810-684 7" x 10" B-555  
 10810-686 10" x 14" B-555



10810-470 10" x 14" B-120  
 10810-354 7" x 10" B-302  
 10810-352 10" x 14" B-302  
 10810-480 7" x 10" B-401  
 10810-478 10" x 14" B-401  
 10810-692 7" x 10" B-555  
 10810-688 10" x 14" B-555



10810-462 10" x 14" B-120  
 10810-350 7" x 10" B-302  
 10810-348 10" x 14" B-302  
 10810-466 7" x 10" B-401  
 10810-464 10" x 14" B-401  
 10810-682 10" x 14" B-555



10810-456 10" x 14" B-120  
 10810-344 7" x 10" B-302  
 10810-346 10" x 14" B-302  
 10810-458 7" x 10" B-401  
 10810-460 10" x 14" B-401  
 10810-678 7" x 10" B-555  
 10810-680 10" x 14" B-555



10810-342 7" x 10" B-302  
 10810-454 7" x 10" B-401  
 10810-676 7" x 10" B-555



## Custom Tank & Vessel Signs

Let Brady create your new GHS chemical tank signs. We will convert your existing chemical storage tank signs to the new GHS format. Let us do the work – the steps are simple:

1. Send us your new Safety Data Sheet (SDS) for each chemical.
2. We create the artwork and provide you with a quote for your review & approval.
3. We manufacture the signs to your size and material specifications. This will include the mandatory GHS information as required by OSHA's new Hazard Communication Standard update – 29 CFR 1910.1200.

Custom GHS tank & vessel signs are available in a variety of sizes, materials and formats, including all of the GHS pictograms to meet your signage needs.

### Sign Material:

- Fiberglass (rigid and highly durable, even outdoors)
- Plastic (rigid and cost-effective. Ideal for indoor tanks and vessels)
- Self-Sticking (flexible and adhesive-backed)

### Sizes:

- 14" x 10"
- 20" x 14"

Custom materials and sizes also available



**Order signs today!**

Contact your VWR Sales Representative or call 1-800-932-5000 today!

# ETHANOL

TANK #10

DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour. H302: Harmful if swallowed. H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H370: Causes damage to organs. H401: Toxic to aquatic life.

REQUIRED PROTECTIVE EQUIPMENT

RESPIRATOR	RUBBER GLOVES	FACE SHIELD	CHEMICAL GOGGLES	CHEMICAL SUIT

PRECAUTIONARY STATEMENTS / FIRST AID

P210: Keep away from heat/spark/open flames/hot surfaces. - No Smoking. P260: Do not breathe dust/fume/gas/mist/vapours/spray. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P307+P311: IF exposed: Call a POISON CENTER or doctor/physician.

REPORT ALL INJURIES TO YOUR AREA MANAGER

CONSULT SDS FOR FURTHER INFORMATION

DANGER

CONFINED SPACE ENTRY PERMIT REQUIRED

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DOT CLASS: 3	DOT ID NO.: UN1170	CAS#: 64-17-5
EMERGENCY CONTACT	CHEMICAL MANUFACTURER	
(314) 776-6555	XYZ Chemical Company 555-555-5555	

# Pre-Printed Sign & Label Solutions

## 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.

- Four size options: 5/8", 1", 2", and 4"
- Offered in three materials: B-7569 Vinyl, B-7541 Polyester and B-235 Coated Paper



Legend	Catalog #	Size	Material	Qty.
	53519-978	5/8"	B-7569 Vinyl	39/card
	53519-976	1"	B-7569 Vinyl	16/card
	53519-974	2"	B-7569 Vinyl	4/card
	53519-924	5/8"	B-235 Paper	39/card
	53519-922	1"	B-235 Paper	16/card
	53519-920	2"	B-235 Paper	4/card
	53519-972	5/8"	B-7569 Vinyl	39/card
	53519-970	1"	B-7569 Vinyl	16/card
	53519-968	2"	B-7569 Vinyl	4/card
	53519-918	5/8"	B-235 Paper	39/card
	53519-916	1"	B-235 Paper	16/card
	53519-914	2"	B-235 Paper	4/card
	53519-996	5/8"	B-7569 Vinyl	39/card
	53519-994	1"	B-7569 Vinyl	16/card
	53519-992	2"	B-7569 Vinyl	4/card
	53519-942	5/8"	B-235 Paper	39/card
	53519-940	1"	B-235 Paper	16/card
	53519-938	2"	B-235 Paper	4/card

Legend	Catalog #	Size	Material	Qty.
	53519-984	5/8"	B-7569 Vinyl	39/card
	53519-982	1"	B-7569 Vinyl	16/card
	53519-980	2"	B-7569 Vinyl	4/card
	53519-930	5/8"	B-235 Paper	39/card
	53519-928	1"	B-235 Paper	16/card
	53519-926	2"	B-235 Paper	4/card
	53519-960	5/8"	B-7569 Vinyl	39/card
	53519-958	1"	B-7569 Vinyl	16/card
	53519-956	2"	B-7569 Vinyl	4/card
	53519-906	5/8"	B-235 Paper	39/card
	53519-904	1"	B-235 Paper	16/card
	53519-902	2"	B-235 Paper	4/card
	53520-002	5/8"	B-7569 Vinyl	39/card
	53520-000	1"	B-7569 Vinyl	16/card
	53519-998	2"	B-7569 Vinyl	4/card
	53519-948	5/8"	B-235 Paper	39/card
	53519-946	1"	B-235 Paper	16/card
	53519-944	2"	B-235 Paper	4/card

Legend	Catalog #	Size	Material	Qty.
	53519-990	5/8"	B-7569 Vinyl	39/card
	53519-988	1"	B-7569 Vinyl	16/card
	53519-986	2"	B-7569 Vinyl	4/card
	53519-936	5/8"	B-235 Paper	39/card
	53519-934	1"	B-235 Paper	16/card
	53519-932	2"	B-235 Paper	4/card
	53519-954	5/8"	B-7569 Vinyl	39/card
	53519-952	1"	B-7569 Vinyl	16/card
	53519-950	2"	B-7569 Vinyl	4/card
	53519-900	5/8"	B-235 Paper	39/card
	53519-898	1"	B-235 Paper	16/card
	53519-896	2"	B-235 Paper	4/card
	53519-966	5/8"	B-7569 Vinyl	39/card
	53519-964	1"	B-7569 Vinyl	16/card
	53519-962	2"	B-7569 Vinyl	4/card
	53519-912	5/8"	B-235 Paper	39/card
	53519-910	1"	B-235 Paper	16/card
	53519-908	2"	B-235 Paper	4/card

## OSHA Safety Sign Standard Update

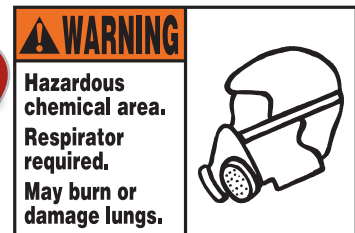
OSHA's signage standards now recognize the latest American National Standard Institute (ANSI) standards from 2011 (ANSI Z535.1, Z535.2 & Z535.5).

What does this mean for you? The option to maintain or transition to the new safety sign specifications.

What has changed? Design formats have been improved to incorporate modern safety sign standards. This includes having designs that use alert symbols, pictograms and more explanatory text. These improvements better accommodate non-English readers, allow workers to make safer decisions and give more effective warnings.

Over time, as organizations adopt the latest OSHA/ANSI standards, the U.S. will increasingly have uniform safety signage, leading to more effective communication and the ultimate objective of fewer accidents in the workplace.

**NEW!**



## Custom ANSI Safety Signs and More

Brady's Custom Products Team is dedicated to meeting your unique sign requirements, fast. Call your nearest Brady distributor with your details for a quick response – usually in less than two hours – or create your signs online at [BradyID.com/customsigns](http://BradyID.com/customsigns). You can expect the same high performance and quality at competitive prices with nearly 100 years of experience.

Contact your VWR Sales Representative or call 1-800-932-5000 today!

## Placards for Transporting Chemicals

The DOT (Department of Transportation) chemical hazard markings and placards were aligned with the GHS and U.N. models in 2007/2008. OSHA's alignment with GHS helps standardize the requirements between these agencies. The below placards are also available in a variety of rigid materials.



Hazard Division 1.1  
Compatibility Group  
A, B, C, D, E, F, G, J or L

10810-286	10.75" x 10.75"	B-946	EXPLOSIVE 1.1A
10810-288	10.75" x 10.75"	B-946	EXPLOSIVE 1.1B
10810-290	10.75" x 10.75"	B-946	EXPLOSIVE 1.1C
10810-292	10.75" x 10.75"	B-946	EXPLOSIVE 1.1D
10810-294	10.75" x 10.75"	B-946	EXPLOSIVE 1.1E
10810-502	10.75" x 10.75"	B-946	EXPLOSIVE 1.1G
10810-504	10.75" x 10.75"	B-946	EXPLOSIVE 1.1J
10810-328	10.75" x 10.75"	B-946	EXPLOSIVES 1.1L



Hazard Division 1.2  
Compatibility Group  
B, C, D, E, F, G, H, J, K or L

10810-508	10.75" x 10.75"	B-946	EXPLOSIVE 1.2C
10810-510	10.75" x 10.75"	B-946	EXPLOSIVE 1.2D
10810-296	10.75" x 10.75"	B-946	EXPLOSIVE 1.2E
10810-298	10.75" x 10.75"	B-946	EXPLOSIVE 1.2F
10810-300	10.75" x 10.75"	B-946	EXPLOSIVE 1.2G
10810-304	10.75" x 10.75"	B-946	EXPLOSIVE 1.2J
10810-306	10.75" x 10.75"	B-946	EXPLOSIVE 1.2K
10810-330	10.75" x 10.75"	B-946	EXPLOSIVES 1.2L



Hazard Division 1.3  
Compatibility Group  
C, F, G, H, J, K or L

10810-308	10.75" x 10.75"	B-946	EXPLOSIVE 1.3F
10810-310	10.75" x 10.75"	B-946	EXPLOSIVE 1.3G
10810-312	10.75" x 10.75"	B-946	EXPLOSIVE 1.3H
10810-314	10.75" x 10.75"	B-946	EXPLOSIVE 1.3J
10810-316	10.75" x 10.75"	B-946	EXPLOSIVE 1.3K
10810-332	10.75" x 10.75"	B-946	EXPLOSIVES 1.3L



Hazard Division 1.4  
Compatibility Group  
B, C, D, E, F, G or S

10810-318	10.75" x 10.75"	B-946	EXPLOSIVE 1.4B
10810-320	10.75" x 10.75"	B-946	EXPLOSIVE 1.4C
10810-324	10.75" x 10.75"	B-946	EXPLOSIVE 1.4D
10810-326	10.75" x 10.75"	B-946	EXPLOSIVE 1.4G
10810-334	10.75" x 10.75"	B-946	EXPLOSIVES 1.4S



Hazard Division 1.5  
Compatibility Group D

10810-336	10.75" x 10.75"	B-946	1.5 BLASTING AGENTS D 1
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Hazard Division 1.6  
Compatibility Group N

10810-338	10.75" x 10.75"	B-946	1.6 EXPLOSIVE N 1
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### Class 2:



10810-266 10.75" x 10.75" B-946



10810-264 10.75" x 10.75" B-946



10810-282 10.75" x 10.75" B-946



10810-262 10.75" x 10.75" B-946

### Class 3:



10810-434 10.75" x 10.75" B-946



10810-066 10.75" x 10.75" B-946



10810-428 10.75" x 10.75" B-946



10810-258 10.75" x 10.75" B-946

### Class 4:



10810-450 10.75" x 10.75" B-946



10810-444 10.75" x 10.75" B-946



10810-340 10.75" x 10.75" B-946



10810-440 10.75" x 10.75" B-946

### Class 5:



10810-436 10.75" x 10.75" B-946



10810-438 10.75" x 10.75" B-946



10810-284 10.75" x 10.75" B-946

### Class 6:



10810-426 10.75" x 10.75" B-946



10810-396 10.75" x 10.75" B-946



10810-442 10.75" x 10.75" B-946



10810-394 10.75" x 10.75" B-946

### Class 7:



10810-430 10.75" x 10.75" B-946

### Class 8:



10810-432 10.75" x 10.75" B-946



10810-236 10.75" x 10.75" B-946

### Class 9:



10810-448 10.75" x 10.75" B-946



10810-446 10.75" x 10.75" B-946

### Mixed Loads



10810-398 10.75" x 10.75" B-946



## 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.



### SDS Binder Centers

Brady's SDS Binder Centers provide an eye-catching and easy-to-locate solution for SDS Binder storage.

- Include a 1.5" SDS binder, "Right to Know Compliance Center" backboard and yellow wire rack
- English and Spanish versions
- Center size: 20" H x 14" W x 4.5" D

Catalog #	Description
89234-588	SDS Center – English
89234-590	SDS Center – English/Spanish



### Binder Holders

Brady's Binder Holders offer an economical and simple way to store SDS Binders at your facility.

- PVC coated steel racks designed for holding binders up to 3" ring diameter
- Size: 9"H x 14"W x 4-1/2"D

Catalog #	Description
10810-254	Yellow Binder Holder
10810-652	White Binder Holder

### SDS Binders

Stay organized and compliant with Brady's brightly-colored SDS Binders.

- Available in English, English/Spanish and English/French versions
- Includes a chain and pair of sheet lifters

Catalog #	Description
89234-524	1.5" SDS Binder, English
89234-526	3" SDS Binder, English
89234-528	1.5" SDS Binder, English/Spanish
89234-530	3" SDS Binder, English/Spanish
89234-532	3" SDS Binder, English/French



### SDS Signs

High visibility signs easily mount and project from the wall for easy viewing.

- Made from heavy-duty plastic (B-493)

Catalog #	Description	Material
10810-674	6" x 9" x 4" V-Shape	B-493 Plastic
10810-246	8" x 8" L-Shape	B-493 Plastic

## Chemical Absorbency

Alert employees of potential hazards while safely cleaning spills with Brady's green and yellow chemical absorbents.

- Color-coded for easy separation of hazardous wastes
- Absorbs chemical, oil and water based liquids

### HAZWIK® SOCs

- Flexible design is easily molded around spills



Catalog #	Size	Absorbency Factor (gl/g)	Absorbency Capacity (gal)	Shipping Wt (lbs)	Pallet Qty.	Quantity
10796-182	3"x12"	9	12	12	40	4/case

### HAZWIK® Pillows

- Ideal for extra protection during packaging and transport



Catalog #	Size	Absorbency Factor (gl/g)	Absorbency Capacity (gal)	Shipping Wt (lbs)	Pallet Qty.	Quantity
10796-280	18"x18"	12.5	14	9.5	20	16/case

### Attack Pac Spill Kit

- Space saving, single use kit, packed in puncture and UV resistant foil bag
- Absorbs up to 7 gallons per kit
- Kit dimensions: 20"L x 16"W x 4"H



#### Contents:

- 15 pads (15" x 19")
- 3 SOCs (3" x 4')
- 1 disposal bag
- 1 pair goggles
- 1 pair nitrile gloves
- 1 instruction sheet

Catalog #	Absorbency Capacity (gal)	Shipping Wt (lbs)	Pallet Qty.	Quantity
10796-124	7	25	24	4/case

### Economy Spill Kit

- Highly visible yellow PVC bag for small spills; the right price, the right size and the right value
- Absorbs up to 5 gallons per kit
- Kit dimensions: 20"L x 16"W x 4"H



#### Contents:

- 10 pads (15" x 19")
- 2 SOCs (3" x 4')
- 1 disposal bag
- 1 pair nitrile gloves
- 1 instruction sheet

Catalog #	Absorbency Capacity (gal)	Shipping Wt (lbs)	Pallet Qty.	Quantity
10796-298	5	24	20	5/case

### Universal Plus Absorbents

- Medium weight pads & rolls



Catalog #	Size	Perforated	Absorbency Factor (gl/g)	Absorbency Capacity (gal)	Shipping Wt (lbs)	Pallet Qty.	Qty.
<b>Universal Plus Pads</b>							
10796-222	15"x19"	Yes, 7.5"	12.5	20.5	14.5	30	100/case
10796-220	12"x12"	No	12.5	5.5	4	120	50/case
<b>Universal Plus Rolls</b>							
10796-226	15"x150'	Yes, 15' & every 15"	12.5	39	24	15	2/case

### 20-Gallon Lab Pack

- UN-approved water and chemical resistant polyethylene container
- Absorbs up to 15 gallons per kit
- Kit dimensions: 21"Dia. x 18"H



#### Contents:

- 12 pads (15" x 19")
- 3 SOCs (3" x 4')
- 2 pillows (18" x 18")
- 3 disposal bags
- 1 pair goggles
- 1 pair nitrile gloves
- Emergency Response Guidebook

Catalog #	Absorbency Capacity (gal)	Shipping Wt (lbs)	Pallet Qty.	Quantity
10796-116	15	26	18	1/each

### 6.5-Gallon Spill Bucket

- Fast and small response with easily accessible spill kit in a reusable bucket
- Absorbs up to 10 gallons per kit
- Kit dimensions: 14"Dia. x 18"H



#### Contents:

- 10 pads (15" x 19")
- 3 SOCs (3" x 4')
- 2 disposal bags
- 1 pair nitrile gloves
- 1 instruction sheet

Catalog #	Absorbency Capacity (gal)	Shipping Wt (lbs)	Pallet Qty.	Quantity
10796-118	9	8	60	1/each



**1.800.932.5000**  
**vwr.com**

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