



Safety Sign Overview

6 Considerations when Choosing Safety Signs

1. Regulatory compliance
2. Clear message
3. Use of pictograms
4. Location
5. Effective materials
6. Letter height

▶ OSHA & ANSI

The American National Standards Institute (ANSI) is a private organization that creates standards, while the Occupational Safety and Health Administration (OSHA) is a government body that enforces working conditions that are safe for workers, and also approves ANSI regulations.



Old format



New format

ANSI Environmental and Facility Safety Signs

To establish consistent visuals, there are specific requirements for the information that must be included on compliant signs:

1. Safety alert symbol
2. 3-part text statements: hazard, consequences and how to avoid
3. Visual pictograms

ANSI Letter Height

Viewing Distance	<4'	5'	8'	10'	15'	20'	30'	40'	60'	80'	100'	125'	150'	200'
Favorable Reading Cond.	0.16"	0.24"	0.32"	0.40"	0.60"	0.80"	1.20"	1.60"	2.40"	3.20"	4.00"	5.00"	6.00"	8.00"
Unfavorable Reading Cond.	0.33"	0.50"	0.66"	0.83"	1.27"	1.68"	2.51"	3.36"	5.04"	6.72"	8.40"	10.49"	12.58"	16.79"

▶ OSHA & ANSI Color Standards

DANGER	WARNING	CAUTION	NOTICE	SAFETY FIRST
Dangerous hazards that could cause serious injury or death	Potentially hazardous situation that could result in injury or serious death	Potentially hazardous situations that could result in moderate injury	General information in order to avoid misunderstanding	General practices relating to health, first aid, housekeeping and general safety

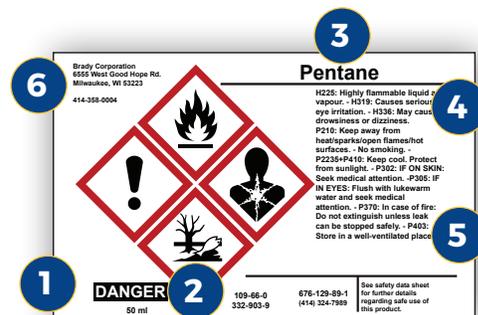
HazCom/GHS

Previous: Chemical labeling in the U.S. was previously dictated by the *Hazardous Materials Identification System (HMIS)* or *National Fire Protection Agency (NFPA)* 704 voluntary hazard identification rating and color-coding systems.

Current: The *Globally Harmonized System (GHS)* was created by the United Nations to unify the classification and labeling of chemicals. OSHA enforces GHS through its Hazard Communication Standard (CFR 1910.1200).

GHS Compliant Labels must Include:

- Signal Word:** Indicates level of Danger
- Symbols:** Hazard pictogram
- Manufacturer Info:** Company name, address and phone number
- Precautionary Statement:** Preventative, response, storage and disposal
- Hazard Statements:** Nature and degree of hazard
- Product Name or Identifies:** Name of chemical



* Additional Product Identifiers

Changes and Benefits

The deadline for GHS implementation was June 1, 2016. To comply, update safety data sheets (SDS) and labels, and train employees on the program and any new chemicals. This standard helps to:

- Prevent workplace injuries and fatalities
- Improve productivity with fewer SDS and label updates, clearer labels and simpler training

Sign Materials

GOOD	BETTER	BEST
Self-Sticking Durable Vinyl (B-946) <ul style="list-style-type: none"> High gloss vinyl printed with UV resistant inks Permanent cold temp acrylic adhesive Good for outdoor applications on curved surfaces Fair chemical and abrasion resistance Durable, provides up to 10 years outdoor life 	Plastic (B-401) <ul style="list-style-type: none"> Cost effective durable polystyrene Ideal for directional, informational, department and safety sign applications Conforms to well curved surfaces Up to 5 year outdoor life 	Aluminum (B-555) <ul style="list-style-type: none"> Durable for indoor and outdoor usage Uses UV inks and UV clear coat protection for fade resistance Withstands wind, rain, sunlight, and high temperatures 5-8 outdoor life Used for parking, building, and informational signs
Self-Sticking Polyester (B-302) <ul style="list-style-type: none"> Withstands wide temperature variations (Up to 230°F) Protected graphics hold up to repeated spills and cleanings Good for machine/equipment labels Permanent Adhesive Up to 8 year outdoor life 		Fiberglass (B-120) <ul style="list-style-type: none"> Most durable. Will not chip, fade, rust, shatter or peel for up to 25 years Graphics Protected under fiberglass layer Excellent chemical and abrasion resistance Ideal for outdoor and harsh environments

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