Do all of your chemical products carry labels?

The CLP regulation is an obligatory European regulation that requires, among other things, products containing hazardous chemical products to be clearly identified. The CLP regulation of the European Union is based on the UN Globally Harmonised System for chemical substances. From June 2015, compliance with the CLP regulations will be required for hazardous chemical products and mixtures in all EU member countries. Every substance listed as hazardous and every mixture containing hazardous substances must also include a CLP label from June 2015 onwards.

What is the CLP?

Classification, Labelling and Packaging (CLP) of substances and mixtures is the EC regulation 1272/2008 applied throughout the European Union and the labelling of chemical products. The system adopts the Globally Harmonised System of Classification and Labelling of Chemicals (GHS), created by the United Nations.

- The CLP/SGH symbols were introduced into the European Union based on the CLP/SGH regulations (classification, labelling and packaging) adopted in January 2009.
- **CLP/SGH replaces the HSID labelling**: the pictograms of dangerous materials in orange used previously have now been replaced by pictograms in the form of a lozenge on a white background with a red border. The current R+S listings will be replaced by the H note P advice (+ EUH notes). Within the European Union, it has been obligatory since 01.12.2010 to label **chemical substances** in accordance with the regulations. From 01.06.2015 onward, this requirement will also apply to **chemical mixtures**. In the CLP/SGH system, the keywords 'Danger' and 'Attention' must be used, according to the substance.

Why is the GHS important?

The import and export of chemical products is an important sector of the economy

Throughout the world, the production and use of chemical products represents more than 1,500 billion Euros a year (340 billion Euros alone for the US). The labelling of chemical products is made up differently depending on regional requirements. With such an impact on the world economy, it is primordial the import and export of chemical products is done as surely and effectively as possible. The GHS standard helps to keep employees sage and to inform them of the risks associated with chemical products throughout the world.

BRADY WHEN PERFORMANCE MATTERS MOST™
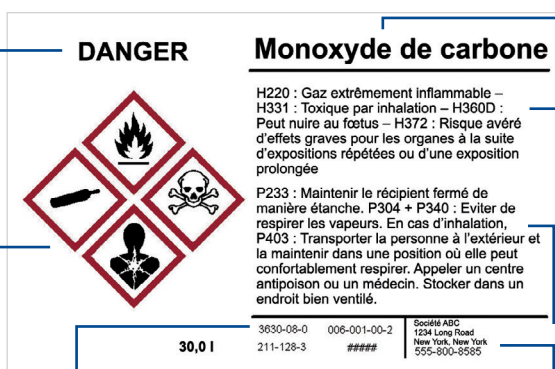
SDS COMPONENTS AND LABEL FORMAT

6 COMPONENTS OF LABEL

1. **Keyword:**
   Indicates the relative gravity of the hazard. 'Hazard' is used for the majority of serious cases, while 'Attention' is less serious.

2. **Symbols (hazard pictograms):**
   Communicate information on the physical risks for health and the environment with pictograms in a red lozenge. A combination of between one and six symbols may be used.

You can find out sign and label printers from page 235 onwards.

DANGER

Monoxyde de carbone

H220 : Gaz extrêmement inflammable – H331 : Toxique par inhalation – H360D : Peut nuire au fœtus – H372 : Risque avéré d'effets graves pour les organes à la suite d'expositions répétées ou d'une exposition prolongée

P233 : Maintenir le récipient fermé de manière étanche. P304 + P340 : Eviter de respirer les vapeurs. En cas d'inhalation, P403 : Transporter la personne à l'extérieur et la maintenir dans une position où elle peut confortablement respirer. Appeler un centre antipoison ou un médecin. Stocker dans un endroit bien ventilé.

30,0 l   3630-08-0   006-001-00-2   Société ABC
          211-128-3   #####   1234 Long Road
                                      New York, New York
                                      555-800-8585

3. **Product name or identifiers***

4. **Hazard statements:**
   Statements describing the nature of hazardous products and related risks, where precautionary measures are not taken.

5. **Safety advice:**
   Expressions related with each hazard statement, describing the general precautions for prevention, reaction, storage or scrapping.

6. **Information about the manufacturer:**
   Name, address and phone number of the company.

16 COMPONENTS OF SAFETY DATA SHEETS

Safety Data Sheets (SDS) are the main tools to ensure that suppliers provide sufficient information throughout the chain to facilitate safe use of substances and mixtures. Each Safety Data Sheet (SDS) must used the same structure, including the following sections.

- **Section 1: Identification**
- Chemical product and recommended usage, and details of supplier.
- **Section 2: Identification of hazard(s)**
- Hazards of chemical product and suitable warning information.
- **Section 3: Composition/ information on ingredients**
- Ingredients contained in the products.
- **Section 4: First-aid measures**
- First aid to be provided by untrained staff on an individual exposed to a chemical product.
- **Section 5: Fire-fighting measures**
- Instructions for fire-fighting caused by a chemical product.
- **Section 6: Measures in the event of accidental spillage**
- Appropriate reaction to take with spillages, leaks or emissions, including retaining and cleaning practices.
- **Section 7: Handling and storage**
- Safe handling and storage practices

for safe storage of chemical products.
- **Section 8: Individual protection/ exposure inspections**
- Exposure limits, technical controls and individual protection measures in order to minimise the exposure of employees.
- **Section 9: Physical and chemical properties**
- Physical and chemical properties related with the substance or the mixture.
- **Section 10: Stability and reactivity**
- Information about hazards of stability and reactivity.
- **Section 11: Toxicological information**
- Toxicological information relating to the health effects or indicator that such information is not available.
- **Section 12: Ecological information**
- Environmental impact of chemical

product(s) in case of release into the environment.
- **Section 13: Considerations relating to scrapping**
- Suitable practices for scrapping, recycling or recovery and sound practices for handling.
- **Section 14: Information for transport**
- Classification information for shipment and transport.
- **Section 15: Regulatory information**
- Regulations for health safety and the environment specific to the product, which are not indicated in any other part of the SDS.
- **Section 16: Other information**
- Date of issue or last known revision of the SDS.

CLP/GHS PICTOGRAMS AND HAZARD CLASSES

The new CLP/GHS symbols, also known as hazard pictograms, are specifically designed and used to identify dangerous products. The pictograms are generally distributed in three hazard classes: chemical/physical risks, health risks and environmental risks.

GHS05
Corrosive
(Pictogram of corrosion)

Identify chemical products displaying the following hazards:
- Burns/corrosive to skin
- Eye infections
- Metal corrosion

GHS04
Gas bottle
(Pictogram of a bottle)

Identify chemical products displaying the following hazards:
- Pressurised gas

GHS03
Oxidant
(Pictogram of a flame in a circle)

Identify chemical products displaying the following hazards:
- Oxidants

GHS02
Flame
(Pictogram of a flame)

Identify chemical products displaying the following hazards:
- Inflammable
- Pyrophoric
- Self-heating
- Emits a flammable gas
- Self-reactive
- Organic peroxides

GHS01
Explosive
(Pictogram of an exploding bomb)

Identify chemical products displaying the following hazards:
- Explosives
- Self-reactive
- Organic peroxides

GHS07
Acute toxicity
(Pictogram of exclamation mark)

Identify chemical products displaying the following hazards:
- Irritant (skin and eyes)
- Skin sensitiser
- Acute toxicity (harmful)*
- Narcotic effects
- Infection of respiratory tracts
- Dangerous for the ozone layer (optional)

You can find out sign and label printers from page 235 onwards.

GHS08
Health risk
(Pictogram of health risk)

Identify chemical products displaying the following hazards:
- Carcinogenic
- Mutagenicity
- Toxic for the reproductive system
- Respiratory sensitiser
- Toxic for major organs
- Toxic for respiration

GHS06
Serious toxicity
(Pictogram of a skull and crossbones)

Identify chemical products displaying the following hazards:
- Acute toxicity (fatal or toxic)*

You can find out sign and label printers from page 235 onwards.

GHS09
Environmental
(Environment pictogram)

Identify chemical products displaying the following hazards:
- Aquatic toxicity

LABELS WITH CLP/GHS SYMBOLS

Brady has a vast range of pre-printed labels to identify your chemical product containers.

- High-quality labels that can withstand the most demanding environments
- Extremely durable materials that enable you to label your products one time for all
- Highly resistant to bad weather, abrasion and chemical products
- These labels can withstand temperatures ranging from -40°C and +120°C

Width (mm) x Height (mm)	Layout	Total Qty/Pack	GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
			PIC 1801	PIC 1802	PIC 1803	PIC 1804	PIC 1808	PIC 1809	PIC 1805	PIC 1807	PIC 1806
21 x 21	Individual Markers on a Roll	250 Label(s) / Roll	834184	834186	834180	834185	834181	834188	834182	834187	834183
50 x 50	Continuous Roll	250 Label(s) / Roll	811681	811686	811691	811696	811716	811721	811701	811711	811706
50 x 50	Individual Markers on a Roll	250 Label(s) / Roll	814032	814033	814034	814035	814039	814040	814036	814038	814037
100 x 100	Continuous Roll	250 Label(s) / Roll	814023	814024	814025	814026	814030	814031	814027	814029	814028
100 x 100	Individual Markers on a Roll	250 Label(s) / Roll	811679	811684	811689	811694	811714	811719	811699	811709	811704
10 x 10	Card Mounted	96 Sign(s) / Sheet	814014	814015	814016	814017	814021	814022	814018	814020	814019
40 x 40	Card Mounted	20 Label(s) / Card	811680	811685	811690	811695	811715	811720	811700	811710	811705
70 x 70	Card Mounted	6 Label(s) / Card	811682	811687	811692	811697	811717	811722	811702	811712	811707
100 x 100	Card Mounted	4 Label(s) / Card	811678	811683	811688	811693	811713	811718	811698	811708	811703

MINI-PICTOGRAMS MIX

Order Ref.	Width (mm)	Height (mm)	Total Qty/Pack
Laminated Polyester			
814013	10	10	104 Sign(s) / Sheet

1 sheet contains: 11 off each PIC1801, PIC1803, PIC1804, PIC1805, PIC1806, PIC1807, PIC1808, PIC1809 and 16 off PIC1802
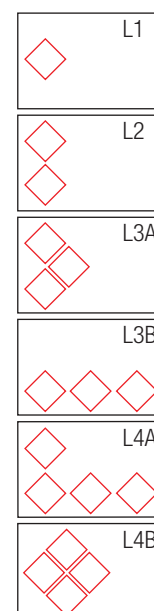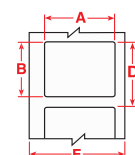
CLP/GHS LABELS FOR BRADY PRINTERS

Print 2 colour GHS labels in one fast print pass!

- Blank labels with pre-printed red diamonds allow printer to produce 2 colour GHS/CLP labels in one print pass
- 3 sizes of labels, each with 6 different diamond layouts. Visit www.bradyeurope.com or contact your Brady distributor for more information
- Indoor/outdoor vinyl material withstands exposure to moisture, chemicals and handling

PRE-PRINTED GHS/CLP LABELS FOR BBP™12 LABEL PRINTER

Order Reference	Layout	Label Width A (mm)	Label Height B (mm)	Vertical Repeat D (mm)	Web Width E (mm)	Labels per Row	Labels per Package	Ribbon Series
B-7610: Paper								
THTCLP-S-L1-7610-0.4-SC	L1	55.00	85.00	91.02	59.00	1	400	R7950
THTCLP-S-L2-7610-0.4-SC	L2	55.00	85.00	91.02	59.00	1	400	R7950
THTCLP-S-L3A-7610-0.4-SC	L3A	55.00	85.00	91.02	59.00	1	400	R7950
THTCLP-S-L3B-7610-0.4-SC	L3B	55.00	85.00	91.02	59.00	1	400	R7950
THTCLP-S-L4A-7610-0.4-SC	L4A	55.00	85.00	91.02	59.00	1	400	R7950
THTCLP-S-L4B-7610-0.4-SC	L4B	55.00	85.00	91.02	59.00	1	400	R7950
THTCLP-M-L1-7610-0.3-SC	L1	75.00	110.00	115.36	79.00	1	300	R7950
THTCLP-M-L2-7610-0.3-SC	L2	75.00	110.00	115.36	79.00	1	300	R7950
THTCLP-M-L3A-7610-0.3-SC	L3A	75.00	110.00	115.36	79.00	1	300	R7950
THTCLP-M-L3B-7610-0.3-SC	L3B	75.00	110.00	115.36	79.00	1	300	R7950
THTCLP-M-L4A-7610-0.3-SC	L4A	75.00	110.00	115.36	79.00	1	300	R7950
THTCLP-M-L4B-7610-0.3-SC	L4B	75.00	110.00	115.36	79.00	1	300	R7950
THTCLP-L-L1-7610-0.2-SC	L1	105.00	155.00	160.12	109.00	1	200	R7950
THTCLP-L-L2-7610-0.2-SC	L2	105.00	155.00	160.12	109.00	1	200	R7950
THTCLP-L-L3A-7610-0.2-SC	L3A	105.00	155.00	160.12	109.00	1	200	R7950
THTCLP-L-L3B-7610-0.2-SC	L3B	105.00	155.00	160.12	109.00	1	200	R7950
THTCLP-L-L4A-7610-0.2-SC	L4A	105.00	155.00	160.12	109.00	1	200	R7950
THTCLP-L-L4B-7610-0.2-SC	L4B	105.00	155.00	160.12	109.00	1	200	R7950
B-7594: Polypropylene								
THTCLP-S-L1-7594-0.4-SC	L1	55.00	85.00	91.02	59.00	1	400	R6000HF
THTCLP-S-L2-7594-0.4-SC	L2	55.00	85.00	91.02	59.00	1	400	R6000HF
THTCLP-S-L3A-7594-0.4-SC	L3A	55.00	85.00	91.02	59.00	1	400	R6000HF
THTCLP-S-L3B-7594-0.4-SC	L3B	55.00	85.00	91.02	59.00	1	400	R6000HF
THTCLP-S-L4A-7594-0.4-SC	L4A	55.00	85.00	91.02	59.00	1	400	R6000HF
THTCLP-S-L4B-7594-0.4-SC	L4B	55.00	85.00	91.02	59.00	1	400	R6000HF
THTCLP-M-L1-7594-0.3-SC	L1	75.00	110.00	115.36	79.00	1	300	R6000HF
THTCLP-M-L2-7594-0.3-SC	L2	75.00	110.00	115.36	79.00	1	300	R6000HF
THTCLP-M-L3A-7594-0.3-SC	L3A	75.00	110.00	115.36	79.00	1	300	R6000HF
THTCLP-M-L3B-7594-0.3-SC	L3B	75.00	110.00	115.36	79.00	1	300	R6000HF
THTCLP-M-L4A-7594-0.3-SC	L4A	75.00	110.00	115.36	79.00	1	300	R6000HF
THTCLP-M-L4B-7594-0.3-SC	L4B	75.00	110.00	115.36	79.00	1	300	R6000HF
THTCLP-L-L1-7594-0.2-SC	L1	105.00	155.00	160.12	109.00	1	200	R6000HF
THTCLP-L-L2-7594-0.2-SC	L2	105.00	155.00	160.12	109.00	1	200	R6000HF
THTCLP-L-L3A-7594-0.2-SC	L3A	105.00	155.00	160.12	109.00	1	200	R6000HF
THTCLP-L-L3B-7594-0.2-SC	L3B	105.00	155.00	160.12	109.00	1	200	R6000HF
THTCLP-L-L4A-7594-0.2-SC	L4A	105.00	155.00	160.12	109.00	1	200	R6000HF
THTCLP-L-L4B-7594-0.2-SC	L4B	105.00	155.00	160.12	109.00	1	200	R6000HF

PRE-PRINTED GHS/CLP LABELS FOR BBP™33 LABEL PRINTER

Order Reference	Layout	Label Width A (mm)	Label Height B (mm)	Labels per Row	Labels per Package	Ribbon Series
B-7569: Vinyl						
B30-260-7569-CLP1	L1	55.00	85.00	1	340	B30-R10000
B30-260-7569-CLP2	L2	55.00	85.00	1	340	B30-R10000
B30-260-7569-CLP3A	L3A	55.00	85.00	1	340	B30-R10000
B30-260-7569-CLP3B	L3B	55.00	85.00	1	340	B30-R10000
B30-260-7569-CLP4A	L4A	55.00	85.00	1	340	B30-R10000
B30-260-7569-CLP4B	L4B	55.00	85.00	1	340	B30-R10000
B30-261-7569-CLP1	L1	75.00	110.00	1	270	B30-R10000
B30-261-7569-CLP2	L2	75.00	110.00	1	270	B30-R10000
B30-261-7569-CLP3A	L3A	75.00	110.00	1	270	B30-R10000
B30-261-7569-CLP3B	L3B	75.00	110.00	1	270	B30-R10000
B30-261-7569-CLP4A	L4A	75.00	110.00	1	270	B30-R10000
B30-261-7569-CLP4B	L4B	75.00	110.00	1	270	B30-R10000
B30-262-7569-CLP1	L1	105.00	155.00	1	200	B30-R10000
B30-262-7569-CLP2	L2	105.00	155.00	1	200	B30-R10000
B30-262-7569-CLP3A	L3A	105.00	155.00	1	200	B30-R10000
B30-262-7569-CLP3B	L3B	105.00	155.00	1	200	B30-R10000
B30-262-7569-CLP4A	L4A	105.00	155.00	1	200	B30-R10000
B30-262-7569-CLP4B	L4B	105.00	155.00	1	200	B30-R10000

ℹ **Visit www.bradyeurope.com for further information or contact your local Brady distributor.**

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