



**Have a clear understanding of what  
is running through your pipes**

Pipe markers

# About BRADY



**Once you have worked with BRADY, our name will stick with you, (just like our labels) because BRADY is one of the world's leading labelling and identification specialists.**

## Innovative

At BRADY we continue to improve. We have many customers from all industries, and we strive to be ahead of their needs by continuing to invest in research for even more performant solutions. By developing more user-friendly and efficient concepts, we give our thousands of customers the best in the market.

## Strength

At BRADY, we believe our biggest strength is the wide range of identification and safety solutions we can offer our customers, whether it's labelling the smallest component or complete signage for an entire warehouse. We're also proud to offer many products and services - from printers, scanners and software to service contracts and on-site training - that compliment any identification job. And don't forget, our wide network of expert distributors can always offer you a tailor-made solution to meet your specific requirements.

## Trust

For over a hundred years, BRADY has been connected with quality, trust and stability. We demand the best for your products and services, because we know, better than anyone, the importance of good and reliable identification. Identification looks like a small detail, but every professional knows that this kind of detail is crucial to any business.

## Inform

We also have specialised dealers in your region, who can answer all your identification, safety and labelling questions, specific to your activity. They will be happy to provide you with all kinds of options and solutions with no obligation.

Microsoft is a trademark of Microsoft Corporation, Bluetooth is a trademark of Bluetooth Sig, Inc., Android is a trademark of Google Inc.



Brady products are sold on the condition that the purchaser will test them in actual use and determine for himself/herself their suitability to his/her intended purpose. Brady warrants to the purchaser that Brady products are free from defects in material and workmanship but limits its obligation under this warranty to the replacement of the product which has been shown to Brady's satisfaction to have been defective at the time of its purchase.

The warranty does not extend to any persons who have acquired the product from the purchaser. It is in lieu of any other warranty, including every warranty of sale-ability, marketability or suitability for the intended purpose, and is also in lieu of any other obligation or liability on the part of Brady.

Under no circumstances will Brady be liable for losses, damage, costs or subsequent damage of whatever nature which may arise in connection with the use of, or inability to use, Brady's products.

# Pipe markers

## Have a clear understanding of what is running through your pipes

### The Brady Advantage

When it comes to identification, safety and compliance, there's a clear advantage to working with Brady. We put our customers first in everything we do.

Our goal is to give you an unrivalled customer experience. We are relentlessly committed to performance and excellence - in our products, services and people.

Our products and solutions perform in ways that others simply can't match. Our people perform in ways that regularly exceed your expectations. And our focus and discipline work toward solid, long-term performance for our customers.

In short, Brady is the company you trust when performance matters most.

Learn more about the Brady Advantage at: [www.bradyeurope.com](http://www.bradyeurope.com)



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## The benefits of pipe marking

The purpose of pipe marking is to ensure quick recognition of pipe contents, flow direction and their associated risks. Pipe marking is most successful when used in combination with proper work methods, instructions and accident prevention measures and training. These can teach the right response after recognising pipe contents in case of a leak for example.

Well identified pipes offer a number of benefits. They can

- **Save lives** - Unmarked pipes and valves can endanger employees, contractors and first responders
- **Cut costs** - Well identified pipes can help to avoid costly errors
- **Increase productivity** - Pipe markers immediately inform employees when and where to intervene
- **Increase efficiency** - Pipe markers increase the efficiency of maintenance teams and external contractors
- **Increase compliance** - Colour coded pipe markers increase pipe content recognition speed and compliance with ISO 20560, national, or company standards

## Laws

The European Union has laid out a number of minimum requirements for the placement of signs on containers and pipes in Annex III of the Council Directive 92/58/EEC from June 24, 1992. EU Member states need to include these minimum requirements in national legislation.

- Pipe markers must be placed on visible sides
- Pipe markers must be placed at the most dangerous points and at intervals
- GHS/CLP icons must be used to identify substances or mixtures
- Pipe markers must be made out of materials suitable to the environment
- Where the level of natural light is poor, phosphorescent colours, reflective materials or artificial lighting should be used








## Norms

The international norm for pipe contents identification is ISO 20560. It includes rules for the size of pipe markers, viewing distances, GHS/CLP icons, warning icons, colour coding and other.

Norms can be purchased from the official standardisation organisations in every country. Brady can supply pipe markers that are compliant with your standard of choice.



## Indoor, outdoor and outdoor+ pipe markers

	Adhesive	Non adhesive		
<b>indoor</b>	 <p><b>B-7543P</b></p>	 <p><b>B-7560P</b></p>		
<b>outdoor</b>	 <p><b>B-7541P</b></p>	 <p><b>B-7561P</b></p>		<b>Top Seller</b>
<b>outdoor+</b>	 <p><b>B-7529P</b></p>	 <p><b>B-7562P</b></p>		<b>Top Quality</b>



### More information:

Consult our technical data sheets:  
[www.bradyeurope.com/TDS](http://www.bradyeurope.com/TDS)

Request a sample

## Sheet versus roll

Pipe markers can be ordered on sheets or on rolls. The choice is usually determined by what plants are most familiar with as the functional difference between sheets and rolls in the end, is minimal. However, sheets can be easier to use in some plants, while others will have more use for rolls.

### Sheet

- are self-adhesive
- can be used on a variety of pipe diameters
- can be used with pipe marker carriers

### Roll

- can be non-adhesive or self-adhesive
- must be ordered in relation to pipe marker diameter
- can be wrapped around pipes
- 360° visibility

## Available material types

Order only the best pipe markers for your environment. Carefully consider the options below for maximum durability and return on investment. Contact Brady for more support.

	INDOOR (no laminate)	OUTDOOR (clear laminate)	OUTDOOR+ (UV-blocking laminate)
Outdoor durability	1 year	3-5 years	10 years
Chemical resistance	Medium	Excellent	Excellent
Abrasion resistance	Medium	Excellent	Excellent
Sheet or roll			
Standard	B-7543P	B-7541(P*)	B-7529P
For small pipe diameters		B-7548	
Linerless rolls			
Non-adhesive	B-7560P	B-7561P	B-7562P
With adhesive		B-7520	

*\*UL approved and BS5609 certified*

## Available material types (Continued)

### All colour codes available:

- Standard Brady colours (PIT)
- British Standard BS 1710/4800
- Marine ISO 14726
- ISO 20560
- Norwegian standard NS813
- German Standard DIN 2403
- Swedish Standard SS741
- American standard ASME A13.1
- Other: please provide the RAL/Pantone colours

Note: If you don't specify a colour range we will deliver the pipe markers in Brady standard colours

### Additional information:

- GHS symbols, substance name or CAS-number
- Warning symbol(s)
- Direction arrow(s)
- Proof needed

### Quantity:

Provide the number of pipe markers you need to receive a quote.



## Pipe marking: an overview

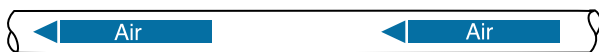


### Maintenance tip

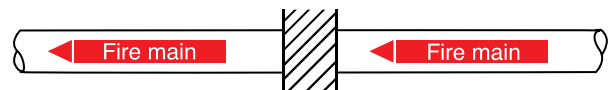
- The Signs & Signals Regulations recommend that markers should be mounted on all visible sides of the pipe, be of durable construction and used in conjunction with pictograms, where recommended.
- The area that the pipe marker is applied to should be clean, dry and free from grease and dirt.



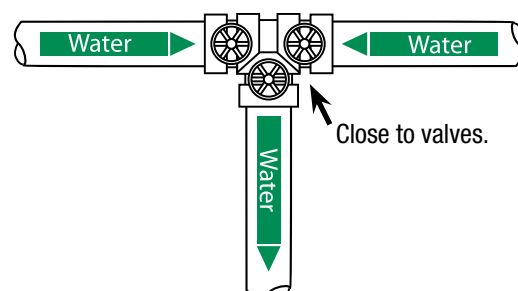
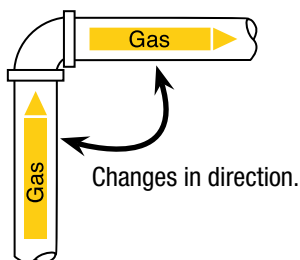
### Where to apply pipe markers?



At frequent intervals on straight pipe runs.



Where pipes pass through floors and walls, mark both sides.





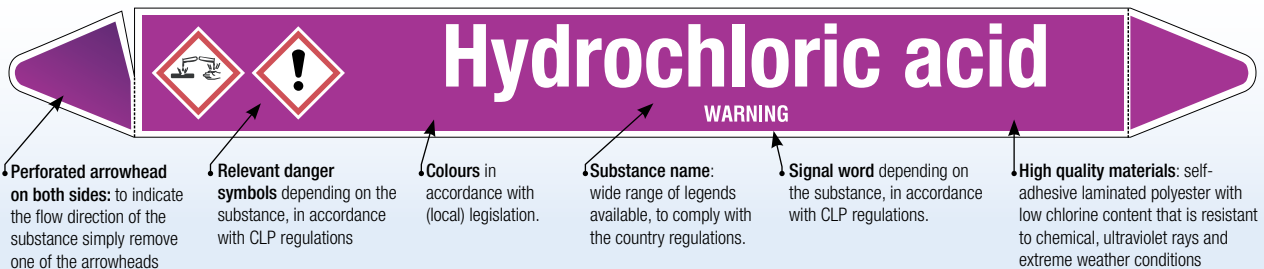
## Individual pipe markers



### European Standard pipe markers:

- Reinforce safety and aid maintenance.
- For Dangerous Substances the Chemical symbols conform to European regulations 1272/2008, 790/2009 and 286/2011.
- UV-resistant.
- Withstands temperatures from -40° to 120°C. Min. application temperature is 5°C.
- Available in 7 styles and more than 300 legends.

### Brady's individual pipe markers



For more information about individual pipe markers on liner, see page 11.

### Individual pipe markers on liner (B-7541)

- Available in four sizes.
- For standard text the signal word and hazard symbols, if relevant and necessary, are automatically printed on the marker. This saves you having to identify the appropriate symbol. For custom text this information will need to be provided by the customer.
- Markers are printed with a contrasting border in the same colour as the text for improved visibility.
- The arrows are perforated, which means you don't need scissors to remove the surplus arrow.



### Linerless pipe markers (B-7520)

- Fast & easy - just take the pipe marker from the roll and apply it.
- Environmentally friendly - no waste!
- The arrows are perforated, which means you don't need scissors to remove the surplus arrow.



For more information about linerless pipe markers, see page 16.



## Roll form pipe markers

The design and layout of Brady's roll form markers ensure maximum visibility from all sides. Not only is readability improved by printing the legends in different directions, but also by the different formats available.

These roll form markers are produced in two formats: one for pipes under 70 mm in diameter, and another for pipes over 70 mm in diameter. Both formats come in two widths. For markers without symbols the roll width is 100 mm; with symbols the roll width is 127 mm.

## Different layout types

	Pipe Diameter (mm)	Markers per Roll* (for linerless markers)	Markers per Card/Roll (on liner)	Width x Height	GHS Symbols
<b>Individual Markers on liner or linerless - Type 1</b>					
	less than 20 mm	-	5	150 mm x 12 mm	with/without
	20-49	30	4	250 mm x 26 mm	with/without
	50-99	30	3	355 mm x 37 mm	with/without
	greater than 100 mm	30	2	450 mm x 52 mm	with/without
<b>Roll Form Markers on liner or linerless - Type 2 (33m length rolls)</b>					
	less than 70 mm	-	505	100 mm x 60 mm	without
	less than 70 mm	-	505	127 mm x 60 mm	with
<b>Roll Form Markers on liner or linerless - Type 3 (33m length rolls)</b>					
	greater than 70 mm	-	220	100 mm x 150 mm	without
	greater than 70 mm	-	220	127 mm x 150 mm	with

\*Markers per roll are the total amount of markers supplied. These will be supplied in three rolls of 10 markers for sizes: 250 x 26 mm and 355 x 37 mm and 2 rolls of 15 markers for size 450 x 52 mm



## Danger symbols

From 0 and up to 6 different danger symbols can be shown on the pipe marker, depending on the substance and in accordance with the CLP regulation.

<b>GHS 01</b> Explosives Self reactive Organic peroxides	<b>GHS 02</b> Flammable Self-reactive Pyrophoric liquids & solids Self-heating reactive Emit flammable gases Organic Peroxides	<b>GHS 03</b> Oxidising	<b>GHS 04</b> Gases under pressure Liquefied gases Refrigerated liquefied gases Dissolved gases	<b>GHS 05</b> Corrosive Skin corrosion Serious eye damage	<b>GHS 06</b> Acute toxicity	<b>GHS 07</b> Acute toxicity Skin irritation Eye irritation Skin sensitisation Respiratory tract irritation Specific Target Organ Toxicity	<b>GHS 08</b> Respiratory sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific Target Organ Aspiration hazard	<b>GHS 09</b> Hazardous to the aquatic environment

## Pipe markers (on liner) - standard legends

**i** The sizes shown for type 2 and type 3 roll form pipe markers are the actual marker size.  
All rolls are 33 metres long.


Individual pipe markers				Roll form pipe markers			
Type 1				Type 2 Pipe diameter < 70 mm		Type 3 Pipe diameter > 70 mm	
Size - W x H (mm)				Without symbols	With symbols	Without symbols	With symbols

Acids and Alkalis										
Legend	GHS Symbols	Signal Word	150 x 12	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150
Acetic acid	GHS02, GHS05	DANGER	N006993	N006994	N006995	N006996		N006997		N006998
Acid			N006984	N006985	N006986	N006987	229519		229520	
Alkali			N007112	N007113	N007114	N007115	229529		229530	
Allylamine	GHS02, GHS06, GHS09	DANGER	N007090	N007091	N007092	N007093		N007094		N007095
Ammonia solution	GHS05, GHS09	DANGER	N007101	N007102	N007103	N007104		N007105		N007106
Bleach	GHS05, GHS09	DANGER	N007141	N007142	N007143	N007144		N007145		N007146
Fatty acid			N007037	N007038	N007039	N007040	N022907		N023007	
Ferric chloride			N007132	N007133	N007134	N007135	N022908		N023008	
Formaldehyde	GHS06, GHS08, GHS05	DANGER	N007174	N007175	N007176	N007177		N007178		N007179
Formic acid	GHS05	DANGER	N007026	N007027	N007028	N007029		N007030		N007031
Glycol	GHS07	WARNING	N007185	N007186	N007187	N007188		N007189		N007190
Hydrochloric acid	GHS05, GHS07	DANGER	N007004	N007005	N007006	N007007		N007008		N007009
Hydrofluoric acid	GHS06, GHS05	DANGER	N007015	N007016	N007017	N007018		N007019		N007020
Hydrogen fluoride	GHS06, GHS05	DANGER	N007163	N007164	N007165	N007166		N007167		N007168
NaOH	GHS05	DANGER	N007302	N007303	N007304	N007305		N007306		N007307
Nitrate			N007227	N007228	N007229	N007230	N022909		N023009	
Nitric acid	GHS03, GHS05	DANGER	N007046	N007047	N007048	N007049		N007050		N007051
Oleum	GHS05, GHS07	DANGER	N007247	N007248	N007249	N007250		N007251		N007252
Oxalic acid	GHS07	WARNING	N007057	N007058	N007059	N007060		N007061		N007062
Phenol	GHS05, GHS06, GHS08	DANGER	N007258	N007259	N007260	N007261		N007262		N007263
Phosphoric acid	GHS05	DANGER	N007068	N007069	N007070	N007071		N007072		N007073
Potassium	GHS02, GHS05	DANGER	N007269	N007270	N007271	N007272		N007273		N007274
Potassium hydroxide	GHS05, GHS07	DANGER	N007196	N007197	N007198	N007199		N007200		N007201
Sodium carbonate	GHS07	DANGER	N007121	N007122	N007123	N007124		N007125		N007126
Sodium fluoride	GHS06	DANGER	N007152	N007153	N007154	N007155		N007156		N007157
Sodium hydroxide	GHS05	DANGER	N007291	N007292	N007293	N007294		N007295		N007296
Sodium hypochlorite	GHS05, GHS09	DANGER	N007207	N007208	N007209	N007210		N007211		N007212
Sodium nitrite	GHS03, GHS06, GHS09	DANGER	N007236	N007237	N007238	N007239		N007240		N007241
Sodium sulphide	GHS05, GHS09	DANGER	N007280	N007281	N007282	N007283		N007284		N007285
Sulphuric acid	GHS05	DANGER	N007079	N007080	N007081	N007082		N007083		N007084
Whitewash			N007218	N007219	N007220	N007221	N022910		N023010	

Air										
Legend	GHS Symbols	Signal Word	150 x 12	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150
Air			N008294	N008295	N008296	N008297	228158		228159	
Air 3 bars			N008303	N008304	N008305	N008306	271428		271429	
Air 7 bars			N008312	N008313	N008314	N008315	271433		271434	
Bar			N008483	N008484	N008485	N008486	271548		271549	
Breathing air			N008447	N008448	N008449	N008450	228163		228164	
Cold air			N008429	N008430	N008431	N008432	N022911		N023011	
Compressed air			N008330	N008331	N008332	N008333	228173		228174	
Compressed air 1.5 bar			N008339	N008340	N008341	N008342	N022912		N023012	
Compressed air 3.5 bar			N008348	N008349	N008350	N008351	N022913		N023013	
Compressed air 6 bar			N008357	N008358	N008359	N008360	N022914		N023014	
Conditioning air			N008375	N008376	N008377	N008378	N022915		N023015	
Cooling air			N008384	N008385	N008386	N008387	N022916		N023016	
Dry air			N008456	N008457	N008458	N008459	N022917		N023017	
Drying air			N008393	N008394	N008395	N008396	N022918		N023018	
Exhaust compressed air			N008492	N008493	N008494	N008495	N022919		N023019	
Extracted air			N008420	N008421	N008422	N008423	N022920		N023020	
Hot air			N008321	N008322	N008323	N008324	228203		228204	
Instrument air			N008402	N008403	N008404	N008405	228208		228209	
New air			N008438	N008439	N008440	N008441	N022921		N023021	
Primary ventilation			N008510	N008511	N008512	N008513	N022922		N023022	
Purified air			N008411	N008412	N008413	N008414	N022923		N023023	
Return			N008501	N008502	N008503	N008504	228238		228239	
Sterile air			N008465	N008466	N008467	N008468	228243		228244	
Sterile compressed air			N008366	N008367	N008368	N008369	228248		228249	
Treated air			N008474	N008475	N008476	N008477	N022924		N023024	
Vacuum			N008519	N008520	N008521	N008522	N022925		N023025	

## Pipe markers (on liner) - standard legends

**i** The sizes shown for type 2 and type 3 roll form pipe markers are the actual marker size.  
All rolls are 33 metres long.

Individual pipe markers				Roll form pipe markers			
<b>Type 1</b> 				<b>Type 2</b> Pipe diameter < 70 mm		<b>Type 3</b> Pipe diameter > 70 mm	
Size - W x H (mm)				Without symbols	With symbols	Without symbols	With symbols

Fire Fighting											
Legend	GHS Symbols	Signal Word	150 x 12	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150	
Carbon foam			N008555	N008556	N008557	N008558	N022926		N023026		
Fire network			N008564	N008565	N008566	N008567	N022927		N023027		
Fire protection water			N008528	N008529	N008530	N008531	228113		228114		
Foam			N008546	N008547	N008548	N008549	228118		228119		
Sprinkler			N008582	N008583	N008584	N008585	267845		267846		
Sprinkler network			N008573	N008574	N008575	N008576	N022928		271404		
Sprinkler water			N008537	N008538	N008539	N008540	N022929		N023029		

Flammable/Non flammable liquids/oils											
Legend	GHS Symbols	Signal Word	150 x 12	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150	
Acetone	GHS02, GHS07	DANGER	N007813	N007814	N007815	N007816		N007817		N007818	
Acetonitrile	GHS02, GHS07	DANGER	N007824	N007825	N007826	N007827		N007828		N007829	
Acrylonitrile	GHS02, GHS06, GHS08, GHS05, GHS09	DANGER	N007835	N007836	N007837	N007838		N007839		N007840	
Alcohol	GHS02	DANGER	N007846	N007847	N007848	N007849		N007850		N007851	
Butanol	GHS02, GHS05, GHS07	DANGER	N007877	N007878	N007879	N007880		N007881		N007882	
Chemical effluents			N007908	N007909	N007910	N007911	N022930		N023030		
Cyclohexane	GHS02, GHS08, GHS07, GHS09	DANGER	N007888	N007889	N007890	N007891		N007892		N007893	
Diesel	GHS08	WARNING	N008065	N008066	N008067	N008068		N008069		N008070	
Diesel Fuel	GHS08	WARNING	N008054	N008055	N008056	N008057		N008058		N008059	
Effluents			N007899	N007900	N007901	N007902	N022931		N023031		
Emulsion			N007917	N007918	N007918	N007920	229229		229230		
Ethanol	GHS02	DANGER	N007937	N007938	N007939	N007940		N007941		N007942	
Flammable liquid			N008170	N008171	N008172	N008173	N022932		N023032		
Flocculate			N007970	N007971	N007972	N007973	N022933		N023033		
Fuel	GHS08	WARNING	N007948	N007949	N007950	N007951		N007952		N007953	
Fuel return	GHS08	WARNING	N008043	N008044	N008045	N008046		N008047		N008048	
Fuel supply	GHS08	WARNING	N007999	N008000	N008001	N008002		N008003		N008004	
Gasoline	GHS02, GHS08, GHS09	DANGER	N007926	N007927	N007928	N007929		N007930		N007168	
Grease			N008076	N008077	N008078	N008079	N022934		N023034		
Heating fuel oil	GHS08	WARNING	N008010	N008011	N008012	N008013		N008014		N008015	
Heavy fuel oil HFO	GHS08	WARNING	N008032	N008033	N008034	N008035		N008036		N008037	
Hydraulic oil			N008112	N008113	N008114	N008115	229319		229320		
Hydrazine	GHS02, GHS06, GHS08, GHS05, GHS09	DANGER	N008148	N008149	N008150	N008151		N008152		N008153	
Isopropyl alcohol	GHS02, GHS07	DANGER	N007857	N007858	N007859	N007860		N007861		N007862	
Kerosene	GHS08	DANGER	N008159	N008160	N008161	N008162		N008163		N008164	
Light fuel oil	GHS08	WARNING	N008021	N008022	N008023	N008024		N008025		N008026	
Liquid nitrogen			N007868	N007869	N007878	N007871	N022935		N023035		
Liquid oxygen	GHS03, GHS04	DANGER	N008190	N008191	N008192	N008193		N008194		N008195	
Lube oil			N008094	N008104	N008096	N008097	229344		229345		
Lubricating oil			N008103	N008104	N008105	N008106	229349		229350		
Methanol	GHS02, GHS06, GHS08	DANGER	N008179	N008180	N008181	N008182		N008183		N008184	
Methyl acetate	GHS02, GHS07	DANGER	N007802	N007803	N007804	N007805		N007806		N007807	
New oil			N008121	N008122	N008123	N008124	N022936		N023036		
Oil			N008085	N008086	N008087	N008088	229384		229385		
Propanol	GHS02, GHS05, GHS07	DANGER	N008201	N008202	N008203	N008204		N008205		N008206	
Radioactive return			N008221	N008222	N008223	N008224	N022937		N023037		
Recuperated oil			N008130	N008131	N008132	N008133	N022938		N023038		
Refrigerant			N007979	N007980	N007981	N007982	N022939		N023039		
Residue			N008212	N008213	N008214	N008215	229444		229445		
Soluble oil			N008139	N008140	N008141	N008142	N022940		N023040		
Tetrahydrofuran	GHS02, GHS07	DANGER	N008239	N008240	N008241	N008242		N008243		N008244	
Toluene	GHS02, GHS08, GHS07	DANGER	N008250	N008251	N008252	N008253		N008254		N008255	
Trichloroethylene	GHS08, GHS07	DANGER	N008261	N008262	N008263	N008264		N008265		N008266	
Used solvents			N008230	N008231	N008232	N008233	229489		229490		
White Spirit	GHS08	DANGER	N008272	N008273	N008274	N008275		N008276		N008277	
Xylene	GHS02, GHS07	WARNING	N008283	N008284	N008285	N008286		N008287		N008288	



## Pipe markers (on liner) - standard legends

**i** The sizes shown for type 2 and type 3 roll form pipe markers are the actual marker size.  
All rolls are 33 metres long.

**Individual pipe markers**

**Type 1**

Size - W x H (mm)

**Roll form pipe markers**

**Type 2** Pipe diameter < 70 mm

**Type 3** Pipe diameter > 70 mm

Without symbols    With symbols    Without symbols    With symbols

Gas		Legend	GHS Symbols	Signal Word	150 x 12	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150
Acetylene	GHS02, GHS04	DANGER	N007313	N007314	N007315	N007316				N007317		N007318
Ammonia	GHS06, GHS05, GHS04, GHS09	DANGER	N007333	N007334	N007335	N007336				N007337		N007338
Ammonia gas	GHS04, GHS05, GHS06, GHS09	DANGER	N007538	N007539	N007540	N007541				N007542		N007543
Argon	GHS04	WARNING	N007344	N007345	N007346	N007347			228378		228379	
Bio gas	GHS02, GHS04	DANGER	N007371	N007372	N007373	N007374				228383		228384
Bio methane	GHS02, GHS04	DANGER	N007380	N007381	N007382	N007383				228388		228389
Butane	GHS02, GHS04	DANGER	N007389	N007390	N007391	N007392				N007393		N007394
Butene	GHS02, GHS04	DANGER	N007400	N007401	N007402	N007403				N007404		N007405
Carbon dioxide	GHS04	WARNING	N007529	N007530	N007531	N007532			228423		228424	
Carbon monoxide	GHS04	WARNING	N007711	N007712	N007713	N007714				N022941		N023041
Chlorine	GHS06, GHS09	DANGER	N007411	N007412	N007413	N007414				N007415		N007416
City gas	GHS02, GHS06, GHS04, GHS08	DANGER	N007558	N007559	N007560	N007561				N007562		N007563
CO	GHS02, GHS04, GHS06, GHS08	DANGER	N007422	N007423	N007424	N007425				N007426		N007427
CO2	GHS04	WARNING	N007433	N007434	N007435	N007436			228463		228464	
Condensate	GHS04	WARNING	N007442	N007443	N007444	N007445				N007446		N007447
Cooling gas	GHS04	WARNING	N007549	N007550	N007551	N007552				228483		228484
Cyclopropane	GHS02, GHS04	DANGER	N007453	N007454	N007455	N007456				N007457		N007458
Ethylene oxide	GHS02, GHS04, GHS06, GHS07, GHS08	DANGER	N007720	N007721	N007722	N007723				N007724		N007725
Exhaust	GHS04	WARNING	N007464	N007465	N007466	N007467				N022942		N023042
Fluorine	GHS03, GHS06, GHS05, GHS04	DANGER	N007473	N007474	N007475	N007476				N007477		N007478
Freon	GHS04	WARNING	N007484	N007485	N007486	N007487			228548		228549	
Freon 11	GHS04	WARNING	N007493	N007494	N007495	N007496				N022943		N023043
Freon 22	GHS04	WARNING	N007502	N007503	N007504	N007505				N022944		N023044
Gas	GHS04	WARNING	N007511	N007512	N007513	N007514			228568		228569	
H2	GHS02, GHS04	DANGER	N007636	N007637	N007638	N007639				N007640		N007641
H2S	GHS02, GHS04, GHS06, GHS09	DANGER	N007647	N007648	N007649	N007650				N007651		N007652
Helium	GHS04	WARNING	N007658	N007659	N007660	N007661			228588		228589	
Hydrogen	GHS02, GHS04	DANGER	N007667	N007668	N007669	N007670				N007671		N007672
Inert gas	GHS04	WARNING	N007569	N007570	N007571	N007572				228613		228614
LPG	GHS04, GHS02, GHS08	DANGER	N007625	N007626	N007627	N007628				N007629		N007630
Methane	GHS02, GHS04	DANGER	N007678	N007679	N007680	N007681				N007682		N007683
Methanol	GHS02, GHS06, GHS08	DANGER	N007689	N007690	N007691	N007692				N007693		N007694
Mixed gas	GHS04	WARNING	N007578	N007579	N007580	N007581			228633		228634	
Natural gas	GHS02, GHS04	DANGER	N007587	N007588	N007589	N007590				N007591		N007592
Natural gas LP	GHS02, GHS04	DANGER	N007598	N007599	N007600	N007601				N022945		N023045
Natural gas MP	GHS02, GHS04	DANGER	N007607	N007608	N007609	N007610				N022946		N023046
NH3	GHS04, GHS06, GHS05, GHS09	DANGER	N007700	N007701	N007702	N007703				N007704		N007705
Nitrogen	GHS04	WARNING	N007353	N007354	N007355	N007356			228643		228644	
Nitrogen gas	GHS04	WARNING	N007362	N007363	N007364	N007365				N022947		N023047
Oxygen	GHS03, GHS04	DANGER	N007731	N007732	N007733	N007734				N007735		N007736
Ozone	GHS04	WARNING	N007742	N007743	N007744	N007745			228663		228664	
Propane	GHS02, GHS04	DANGER	N007751	N007752	N007753	N007754				N007755		N007756
Propene	GHS02, GHS04	DANGER	N007762	N007763	N007764	N007765				N007766		N007767
Recycled gas	GHS04	WARNING	N007616	N007617	N007618	N007619			228693		228694	
Return			N007773	N007774	N007775	N007776		228698			228699	
SO2	GHS04, GHS06, GHS05	DANGER	N007782	N007783	N007784	N007785				N007786		N007787
Supply	GHS04	WARNING	N007324	N007325	N007326	N007327				N022948		N023048
Vacuum			N007793	N007794	N007795	N007796		N022949			N023049	

<b>GHS 01</b> Explosives Self reactive Organic peroxides	<b>GHS 02</b> Flammable Self-reactive Pyrophoric liquids & solids Self-heating reactive Emit flammable gases Organic Peroxides	<b>GHS 03</b> Oxidising	<b>GHS 04</b> Cases under pressure Liquefied gases Refrigerated liquefied gases Dissolved gases	<b>GHS 05</b> Corrosive Skin corrosion Serious eye damage	<b>GHS 06</b> Acute toxicity	<b>GHS 07</b> Acute toxicity Skin irritation Eye irritation Skin sensitisation Respiratory tract irritation Specific Target Organ Toxicity	<b>GHS 08</b> Respiratory sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific Target Organ Aspiration hazard	<b>GHS 09</b> Hazardous to the aquatic environment

## Pipe markers (on liner) - standard legends

**i** The sizes shown for type 2 and type 3 roll form pipe markers are the actual marker size.  
All rolls are 33 metres long.

Individual pipe markers				Roll form pipe markers			
Type 1				Type 2 Pipe diameter < 70 mm		Type 3 Pipe diameter > 70 mm	
Size - W x H (mm)				Without symbols	With symbols	Without symbols	With symbols

Legend	GHS Symbols	Signal Word	150 x 12	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150
High pressure			N009437	N009438	N009439	N009440	N022950		N023050	
High pressure steam			N009509	N009510	N009511	N009512	228298		228299	
HP steam			N009518	N009519	N009520	N009521	228303		228304	
Low pressure			N009428	N009429	N009430	N009431	N022951		N023051	
Low pressure steam			N009491	N009492	N009493	N009494	228313		228314	
LP steam			N009500	N009501	N009502	N009503	N022952		N023052	
Overheated steam			N009545	N009546	N009547	N009548			228324	
Saturated steam			N009536	N009537	N009538	N009539	228338		228339	
Steam			N009446	N009447	N009448	N009449	228343		228344	
Steam 10 bar			N009455	N009456	N009457	N009458	N022953		N023053	
Steam 24 bar			N009464	N009465	N009466	N009467	N022954		N023054	
Steam 4 bar			N009473	N009474	N009475	N009476	N022955		N023055	
Steam 6 bar			N009482	N009483	N009484	N009485	N022956		N023056	

Legend	GHS Symbols	Signal Word	150 x 12	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150
Acid water			N008699	N008700	N008701	N008702	N022957		N023057	
Boiler feed water			N008690	N008691	N008692	N008693	N022958		N023058	
Brine water			N009356	N009357	N009358	N009359	N022959		N023059	
Canal water			N009140	N009141	N009142	N009143	228738		228739	
Chilled water			N009338	N009339	N009340	N009341	228743		228744	
Chlorated water			N008861	N008862	N008863	N008864	228758		228759	
Circuit			N008627	N008628	N008629	N008630	N022960		N023060	
Circulating water			N008951	N008952	N008953	N008954	N022961		N023061	
City water			N009041	N009042	N009043	N009044	228768		228769	
Cold water			N009149	N009150	N009151	N009152	N022962		N023062	
Cold water return			N009176	N009177	N009178	N009179	228778		228779	
Cold water supply			N009158	N009159	N009160	N009161	228783		228784	
Condensate			N008654	N008655	N008656	N008657				
Condensate LP			N008663	N008664	N008665	N008666	N022963		N023063	
Condensate MP			N008672	N008673	N008674	N008675	N022964		N023064	
Condenser water			N008888	N008889	N008890	N008891	228803		228804	
Condenser water return			N008879	N008880	N008881	N008882	228808		228809	
Condenser water supply			N008897	N008898	N008899	N008900	228813		228814	
Cooling water			N009005	N009006	N009007	N009008	228824		228825	
Decarbonated water			N009059	N009060	N009061	N009062	228834		228835	
Deionized water			N009068	N009069	N009070	N009071	228839		228840	
Demineralised hot water			N009086	N009087	N009088	N009089	N022965		N023065	
Demineralised water			N009077	N009078	N009079	N009080	228844		228845	
Distilled hot water			N009104	N009105	N009106	N009107	N022966		N023066	
Distilled water			N009095	N009096	N009097	N009098	228849		228850	
Drilling water			N008969	N008970	N008971	N008972	N022967		N023067	
Drinking cold water			N009167	N009168	N009169	N009170	N022968		N023068	
Drinking water			N009302	N009303	N009304	N009305	228879		228880	
Feed water			N008906	N008907	N008908	N008909	N022969		N023069	
Filtered water			N009131	N009132	N009133	N009134	228884		228885	
Flushing water			N009014	N009015	N009016	N009017	N022970		N023070	
Heating			N008600	N008601	N008602	N008603	228899		228900	
Heating hot water			N008807	N008808	N008809	N008810	N022971		N023071	
Heating return			N008618	N008619	N008620	N008621	228904		228905	
Heating supply			N008609	N008610	N008611	N008612	228909		228910	
Heating water			N008915	N008916	N008917	N008918	228914		228915	
Heating water loop			N008933	N008934	N008935	N008936	N022972		N023072	
Heating water return			N008942	N008943	N008944	N008945	N022973		N023073	
Heating water supply			N008924	N008925	N008926	N008927	N022974		N023074	
Heavy water			N009230	N009231	N009232	N009233	N022975		N023075	
Hot water			N008735	N008736	N008737	N008738	228924		228925	

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## Pipe markers (on liner) - standard legends

**i** The sizes shown for type 2 and type 3 roll form pipe markers are the actual marker size.  
All rolls are 33 metres long.

Individual pipe markers				Roll form pipe markers			
<b>Type 1</b>				<b>Type 2</b> Pipe diameter < 70 mm		<b>Type 3</b> Pipe diameter > 70 mm	
Size - W x H (mm)				Without symbols		With symbols	

Legend	GHS Symbols	Signal Word	150 x 12	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150
Hot water 105°C			N008744	N008745	N008746	N008747	N022976		N023076	
Hot water 45°C			N008753	N008754	N008755	N008756	N022977		N023077	
Hot water 60°C			N008762	N008763	N008764	N008765	N022978		N023078	
Hot water 70°C			N008771	N008772	N008773	N008774	N022979		N023079	
Hot water 90°C			N008780	N008781	N008782	N008783	N022980		N023080	
Hot water return			N008834	N008835	N008836	N008837	228929		228930	
Hot water supply			N008798	N008799	N008800	N008801	228934		228935	
Ice cold water			N009194	N009195	N009196	N009197	N022981		N023081	
Ice cold water return			N009212	N009213	N009214	N009215	N022982		N023082	
Ice cold water supply			N009203	N009204	N009205	N009206	N022983		N023083	
Industrial water			N009221	N009222	N009223	N009224	228949		228950	
Low pressure water			N008717	N008718	N008719	N008720	228954		228955	
Mains water			134506	134507	134508	134509	134513		134515	
Manufacturing water			N008960	N008961	N008962	N008963	N022984		N023084	
Mineral water			N009248	N009249	N009250	N009251	228969		228970	
Mitigated water			N009257	N009258	N009259	N009260	N022985		N023085	
Non-drinking water			N009266	N009267	N009268	N009269	228974		228975	
Osmosis water			N009275	N009276	N009277	N009278	N022986		N023086	
Overheated water			N009365	N009366	N009367	N009368	N022987		N023087	
Plant water			N009401	N009402	N009403	N009404	228979		228980	
Polluted water			N009293	N009294	N009295	N009296	228989		228990	
Primary circuit			N008636	N008637	N008638	N008639	228994		228995	
Primary hot water			N008816	N008817	N008818	N008819	N022988		N023088	
Process water			N009311	N009312	N009313	N009314	228999		229000	
Pure water			N009122	N009123	N009124	N009125	N022989		N023089	
Purified water			N009320	N009321	N009322	N009323	N022990		N023090	
Rain water			N008987	N008988	N008989	N008990	N022991		N023091	
Raw water			N008726	N008727	N008728	N008729	229024		229025	
Recycled hot water			N008825	N008826	N008827	N008828	N022982		N023092	
Recycled water			N009329	N009330	N009331	N009332	N022993		N023093	
Return			N009419	N009420	N009421	N009422	229034		229035	
River water			N009023	N009024	N009025	N009026	229039		229040	
Sanitary cold water			N009185	N009186	N009187	N009188	N022994		N023094	
Sanitary hot water			N008843	N008844	N008845	N008846	N022995		N023095	
Sanitary water			N009347	N009348	N009349	N009350	N022996		N023096	
Secondary circuit			N008645	N008646	N008647	N008648	N022997		N023097	
Secondary hot water			N008852	N008853	N008854	N008855	N022998		N023098	
Softened city water			N009050	N009051	N009052	N009053	N022999		N023099	
Softened hot water			N008789	N008790	N008791	N008792	N023000		N023100	
Softened water			N008708	N008709	N008710	N008711	N023001		N023101	
Soft water			N009113	N009114	N009115	N009116	229069		229070	
Supply			N008591	N008592	N008593	N008594	229089		229090	
Treated water			N009383	N009384	N009385	N009386	N023002		N023102	
Tritiated heavy water			N009239	N009240	N009241	N009242	N023003		N023103	
Valve water			N009032	N009033	N009034	N009035	N023004		N023104	
Washing			N009410	N009411	N009412	N009413	N023005		N023105	
Washing water			N008978	N008979	N008980	N008981	N023006		N023106	
Waste water			N009392	N009393	N009394	N009395	229109		229110	
Water			N008681	N008682	N008683	N008684	229114		229115	
Well water			N008996	N008997	N008998	N008999	229119		229120	



**GHS 01**  
Explosives  
Self reactive  
Organic peroxides



**GHS 02**  
Flammable  
Self-reactive  
Pyrophoric liquids & solids  
Self-heating reactive  
Emit flammable gases  
Organic Peroxides



**GHS 03**  
Oxidising



**GHS 04**  
Cases under pressure  
Liquefied gases  
Refrigerated liquefied gases  
Dissolved gases



**GHS 05**  
Corrosive  
Skin corrosion  
Serious eye damage



**GHS 06**  
Acute toxicity



**GHS 07**  
Acute toxicity  
Skin irritation  
Eye irritation  
Skin sensitisation  
Respiratory tract irritation  
Specific Target Organ Toxicity








**GHS 08**  
Respiratory sensitisation  
Germ cell mutagenicity  
Carcinogenicity  
Reproductive toxicity  
Specific Target Organ  
Aspiration hazard



**GHS 09**  
Hazardous to the aquatic environment

## Linerless pipe markers - standard legends

**i** The sizes shown for type 2 and type 3 roll form pipe markers are the actual marker size.  
All rolls are 33 metres long.

Individual pipe markers		Roll form pipe markers			
<b>Type 1</b>  Size - W x H (mm)		<b>Type 2</b> Pipe diameter < 70 mm  		<b>Type 3</b> Pipe diameter > 70 mm  	
		Without symbols	With symbols	Without symbols	With symbols

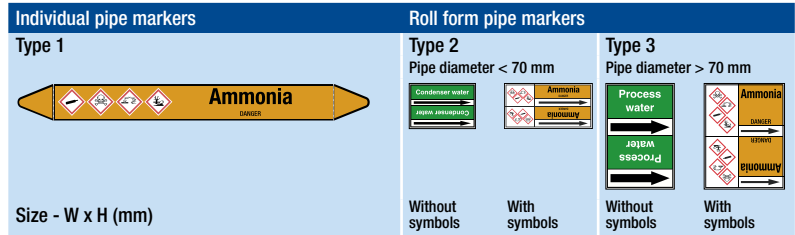
Acids and Alkalis									
Legend	GHS Symbols	Signal Word	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150
Acetic acid	GHS02, GHS05	DANGER	N006999	N007000	N007001		N007002		N007003
Acid			N006988	N006989	N006990	N006991		N006992	
Alkali			N007116	N007117	N007118	N007119		N007120	
Allylamine	GHS02, GHS06, GHS09	DANGER	N007096	N007097	N007098		N007099		N007100
Ammonia solution	GHS05, GHS09	DANGER	N007107	N007108	N007109		N007110		N007111
Bleach	GHS05, GHS09	DANGER	N007147	N007148	N007149		N007150		N007151
Fatty acid			N007041	N007042	N007043	N007044		N007045	
Ferric chloride			N007136	N007137	N007138	N007139		N007140	
Formaldehyde	GHS06, GHS08, GHS05	DANGER	N007180	N007181	N007182		N007183		N007184
Formic acid	GHS05	DANGER	N007032	N007033	N007034		N007035		N007036
Glycol	GHS07	WARNING	N007191	N007192	N007193		N007194		N007195
Hydrochloric acid	GHS05, GHS07	DANGER	N007010	N007011	N007012		N007013		N007014
Hydrofluoric acid	GHS03, GHS05	DANGER	N007021	N007022	N007023		N007024		N007025
Hydrogen fluoride	GHS06, GHS05	DANGER	N007169	N007170	N007171		N007172		N007173
NaOH	GHS05	DANGER	N007308	N007309	N007310		N007311		N007312
Nitrate			N007231	N007232	N007233	N007235		N007235	
Nitric acid	GHS03, GHS05	DANGER	N007052	N007053	N007054		N007055		N007056
Oleum	GHS05, GHS07	DANGER	N007253	N007254	N007255		N007256		N007257
Oxalic acid	GHS07	WARNING	N007063	N007064	N007065		N007066		N007067
Phenol	GHS05, GHS06, GHS08	DANGER	N007264	N007265	N007266		N007267		N007268
Phosphoric acid	GHS05	DANGER	N007074	N007075	N007076		N007077		N007078
Potassium	GHS02, GHS05	DANGER	N007275	N007276	N007277		N007278		N007279
Potassium hydroxide	GHS03, GHS07	DANGER	N007202	N007203	N007204		N007205		N007206
Sodium carbonate	GHS07	DANGER	N007127	N007128	N007129		N007130		N007131
Sodium fluoride	GHS06	DANGER	N007158	N007159	N007160		N007161		N007162
Sodium hydroxide	GHS05	DANGER	N007297	N007298	N007299		N007300		N007301
Sodium hypochlorite	GHS05, GHS09	DANGER	N007213	N007214	N007215		N007216		N007217
Sodium nitrite	GHS03, GHS06, GHS09	DANGER	N007242	N007243	N007244		N007245		N007246
Sodium sulphide	GHS05, GHS09	DANGER	N007286	N007287	N007288		N007289		N007290
Sulphuric acid	GHS05	DANGER	N007085	N007086	N007087		N007088		N007089
Whitewash			N007222	N007223	N007224	N007225		N007226	

Air									
Legend	GHS Symbols	Signal Word	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150
Air			N008298	N008299	N008300	N008301		N008302	
Air 3 bars			N008307	N008308	N008309	N008310		N008311	
Air 7 bars			N008316	N008317	N008318	N008319		N008320	
Bar			N008487	N008488	N008489	N008490		N008491	
Breathing air			N008451	N008452	N008453	N008454		N008455	
Cold air			N008433	N008434	N008435	N008436		N008437	
Compressed air			N008334	N008335	N008336	N008337		N008338	
Compressed air 1.5 bar			N008343	N008344	N008345	N008346		N008347	
Compressed air 3.5 bar			N008352	N008353	N008354	N008355		N008356	
Compressed air 6 bar			N008361	N008362	N008363	N008364		N008365	
Conditioning air			N008379	N008380	N008381	N008382		N008383	
Cooling air			N008388	N008389	N008390	N008391		N008392	
Dry air			N008460	N008461	N008462	N008463		N008464	
Drying air			N008397	N008398	N008399	N008400		N008401	
Exhaust compressed air			N008496	N008497	N008498	N008499		N008500	
Extracted air			N008424	N008425	N008426	N008427		N008428	
Hot air			N008325	N008326	N008327	N008328		N008329	
Instrument air			N008406	N008407	N008408	N008409		N008410	
New air			N008442	N008443	N008444	N008445		N008446	
Primary ventilation			N008514	N008515	N008516	N008517		N008518	
Purified air			N008415	N008416	N008417	N008418		N008419	
Return			N008505	N008506	N008507	N008508		N008509	
Sterile air			N008469	N008470	N008471	N008472		N008473	
Sterile compressed air			N008370	N008371	N008372	N008373		N008374	
Treated air			N008478	N008479	N008480	N008481		N008482	
Vacuum			N008523	N008524	N008525	N008526		N008527	



## Linerless pipe markers - standard legends

**i** The sizes shown for type 2 and type 3 roll form pipe markers are the actual marker size.  
All rolls are 33 metres long.









Fire Fighting		Signal Word	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150
Legend	GHS Symbols								
Carbon foam			N008555	N008560	N008561	N008562		N008563	
Fire network			N008568	N008569	N008570	N008571		N008572	
Fire protection water			N008532	N008533	N008534	N008535		N008536	
Foam			N008550	N008551	N008552	N008553		N008554	
Sprinkler			N008586	N008587	N008588	N008589		N008590	
Sprinkler network			N008577	N008578	N008579	N008580		N008581	
Sprinkler water			N008541	N008542	N008543	N008544		N008545	










Flammable/Non flammable liquids/oils		Signal Word	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150
Legend	GHS Symbols								
Acetone	GHS02, GHS07	DANGER	N007819	N007820	N007821		N007822		N007823
Acetonitrile	GHS02, GHS07	DANGER	N007830	N007831	N007832		N007833		N007834
Acrylonitrile	GHS02, GHS06, GHS08, GHS05, GHS09	DANGER	N007841	N007842	N007843		N007844		N007845
Alcohol	GHS02	DANGER	N007852	N007853	N007854		N007855		N007856
Butanol	GHS02, GHS05, GHS07	DANGER	N007883	N007884	N007885		N007886		N007887
Chemical effluents			N007912	N007913	N007914	N007915		N007916	
Cyclohexane	GHS02, GHS08, GHS07, GHS09	DANGER	N007894	N007895	N007896		N007897		N007898
Diesel	GHS08	WARNING	N008071	N008072	N008073		N008074		N008075
Diesel Fuel	GHS08	WARNING	N008060	N008061	N008062		N008063		N008064
Effluents			N007903	N007904	N007905	N007906		N007907	
Emulsion			N007921	N007922	N007923	N007924		N007925	
Ethanol	GHS02	DANGER	N007943	N007944	N007945		N007946		N007947
Flammable liquid			N008174	N008175	N008176	N008177		N008178	
Flocculate			N007974	N007975	N007976	N007977		N007978	
Fuel	GHS08	WARNING	N007954	N007955	N007956		N007957		N007958
Fuel return	GHS08	WARNING	N008049	N008050	N008051		N008052		N008053
Fuel supply	GHS08	WARNING	N008005	N008006	N008007		N008008		N008009
Gasoline	GHS02, GHS08, GHS09	DANGER	N007932	N007933	N007934		N007935		N007936
Grease			N008080	N008081	N008078	N008083		N008084	
Heating fuel oil	GHS08	WARNING	N008016	N008017	N008018		N008019		N008020
Heavy fuel oil HFO	GHS08	WARNING	N008038	N008039	N008040		N008041		N008042
Hydraulic oil			N008116	N008117	N008118	N008119		N008120	
Hydrazine	GHS02, GHS06, GHS08, GHS05, GHS09	DANGER	N008154	N008155	N008156		N008157		N008158
Isopropyl alcohol	GHS02, GHS07	DANGER	N007863	N007864	N007865		N007866		N007867
Kerosene	GHS08	DANGER	N008165	N008166	N008167		N008168		N008169
Light fuel oil	GHS08	WARNING	N008027	N008028	N008029		N008030		N008031
Liquid nitrogen			N007872	N007873	N007874	N007875		N007876	
Liquid oxygen	GHS03, GHS04	DANGER	N008196	N008197	N008198		N008199		N008200
Lube oil			N008098	N008099	N008100	N008101		N008102	
Lubricating oil			N008107	N008108	N008109	N008110		N008111	
Methanol	GHS02, GHS06, GHS08	DANGER	N008185	N008186	N008187		N008188		N008189
Methyl acetate	GHS02, GHS07	DANGER	N007808	N007809	N007810		N007811		N007812
New oil			N008125	N008126	N008127	N008128		N008129	
Oil			N008089	N008090	N008091	N008092		N008093	
Propanol	GHS02, GHS05, GHS07	DANGER	N008207	N008208	N008209		N008210		N008211
Radioactive return			N008225	N008226	N008227	N008228		N008229	
Recuperated oil			N008134	N008135	N008136	N008137		N008138	
Refrigerant			N007983	N007984	N007985	N007986		N007987	
Residue			N008216	N008217	N008218	N008219		N008220	
Soluble oil			N008143	N008144	N008145	N008146		N008147	
Tetrahydrofuran	GHS02, GHS07	DANGER	N008245	N008246	N008247		N008248		N008249
Toluene	GHS02, GHS08, GHS07	DANGER	N008256	N008257	N008258		N008259		N008260
Trichloroethylene	GHS08, GHS07	DANGER	N008267	N008268	N008269		N008270		N008271
Used solvents			N008234	N008235	N008236	N008237		N008238	
White Spirit	GHS08	DANGER	N008278	N008279	N008280		N008281		N008282
Xylene	GHS02, GHS07	WARNING	N008289	N008290	N008291		N008292		N008293

## Linerless pipe markers - standard legends

**i** The sizes shown for type 2 and type 3 roll form pipe markers are the actual marker size. All rolls are 33 metres long.


Individual pipe markers		Roll form pipe markers			
Type 1		Type 2 Pipe diameter < 70 mm		Type 3 Pipe diameter > 70 mm	
					
Size - W x H (mm)		Without symbols	With symbols	Without symbols	With symbols


Legend	GHS Symbols	Signal Word	Individual Pipe Markers			Roll Form Pipe Markers (Type 2)		Roll Form Pipe Markers (Type 3)	
			250 x 26	355 x 37	450 x 52	127 x 60	127 x 60	127 x 150	127 x 150
									
Acetylene	GHS02, GHS04	DANGER	N007319	N007320	N007321		N007322		N007323
Ammonia	GHS06, GHS05, GHS04, GHS09	DANGER	N007339	N007340	N007341		N007342		N007343
Ammonia gas	GHS04, GHS05, GHS06, GHS09	DANGER	N007544	N007545	N007350		N007547		N007548
Argon	GHS04	WARNING	N007348	N007349	N007350		N007351		N007352
Bio gas	GHS02, GHS04	DANGER	N007375	N007376	N007377		N007378		N007379
Bio methane	GHS02, GHS04	DANGER	N007384	N007385	N007386		N007387		N007388
Butane	GHS02, GHS04	DANGER	N007395	N007396	N007391		N007398		N007399
Butene	GHS02, GHS04	DANGER	N007406	N007407	N007408		N007409		N007410
Carbon dioxide	GHS04	WARNING	N007533	N007534	N007535		N007536		N007537
Carbon monoxide	GHS04	WARNING	N007715	N007716	N007717		N007718		N007719
Chlorine	GHS06, GHS09	DANGER	N007417	N007418	N007419		N007420		N007421
City gas	GHS02, GHS06, GHS04, GHS08	DANGER	N007564	N007565	N007566		N007567		N007568
CO	GHS02, GHS04, GHS06, GHS08	DANGER	N007428	N007429	N007430		N007431		N007432
CO2	GHS04	WARNING	N007437	N007438	N007435		N007440		N007441
Condensate	GHS04	WARNING	N007448	N007449	N007444		N007451		N007452
Cooling gas	GHS04	WARNING	N007553	N007554	N007555		N007556		N007557
Cyclopropane	GHS02, GHS04	DANGER	N007459	N007460	N007461		N007462		N007463
Ethylene oxide	GHS02, GHS04, GHS06, GHS07, GHS08	DANGER	N007726	N007727	N007728		N007729		N007730
Exhaust	GHS04	WARNING	N007468	N007469	N007470		N007471		N007472
Fluorine	GHS03, GHS06, GHS05, GHS04	DANGER	N007479	N007480	N007475		N007482		N007483
Freon	GHS04	WARNING	N007488	N007489	N007490		N007491		N007492
Freon 11	GHS04	WARNING	N007497	N007498	N007499		N007500		N007501
Freon 22	GHS04	WARNING	N007506	N007507	N007508		N007509		N007510
Gas	GHS04	WARNING	N007515	N007516	N007517		N007518		N007519
H2	GHS02, GHS04	DANGER	N007642	N007643	N007644		N007645		N007646
H2S	GHS02, GHS04, GHS06, GHS09	DANGER	N007653	N007654	N007655		N007656		N007657
Helium	GHS04	WARNING	N007662	N007663	N007664		N007665		N007666
Hydrogen	GHS02, GHS04	DANGER	N007673	N007674	N007675		N007676		N007677
Inert gas	GHS04	WARNING	N007573	N007574	N007575		N007576		N007577
LPG	GHS04, GHS02, GHS08	DANGER	N007631	N007632	N007633		N007634		N007635
Methane	GHS02, GHS04	DANGER	N007684	N007685	N007686		N007687		N007688
Methanol	GHS02, GHS06, GHS08	DANGER	N007695	N007696	N007697		N007698		N007699
Mixed gas	GHS04	WARNING	N007582	N007583	N007584		N007585		N007586
Natural gas	GHS02, GHS04	DANGER	N007593	N007594	N007595		N007596		N007597
Natural gas LP	GHS02, GHS04	DANGER	N007602	N007603	N007604		N007605		N007606
Natural gas MP	GHS02, GHS04	DANGER	N007611	N007612	N007613		N007614		N007615
NH3	GHS04, GHS06, GHS05, GHS09	DANGER	N007706	N007707	N007708		N007709		N007710
Nitrogen	GHS04	WARNING	N007357	N007358	N007359		N007360		N007361
Nitrogen gas	GHS04	WARNING	N007366	N007367	N007368		N007369		N007370
Oxygen	GHS03, GHS04	DANGER	N007737	N007738	N007739		N007740		N007741
Ozone	GHS04	WARNING	N007746	N007747	N007748		N007749		N007750
Propane	GHS02, GHS04	DANGER	N007757	N007758	N007759		N007760		N007761
Propene	GHS02, GHS04	DANGER	N007768	N007769	N007770		N007771		N007772
Recycled gas	GHS04	WARNING	N007620	N007621	N007622		N007623		N007624
Return			N007777	N007778	N007779	N007780		N007781	
SO2	GHS04, GHS06, GHS05	DANGER	N007788	N007789	N007790		N007791		N007792
Supply	GHS04	WARNING	N007328	N007329	N007330		N007331		N007332
Vacuum			N007797	N007798	N007799	N007800		N007801	


								
<b>GHS 01</b> Explosives Self reactive Organic peroxides	<b>GHS 02</b> Flammable Self-reactive Pyrophoric liquids & solids Self-heating reactive Emit flammable gases Organic Peroxides	<b>GHS 03</b> Oxidising	<b>GHS 04</b> Gases under pressure Liquefied gases Refrigerated liquefied gases Dissolved gases	<b>GHS 05</b> Corrosive Skin corrosion Serious eye damage	<b>GHS 06</b> Acute toxicity	<b>GHS 07</b> Acute toxicity Skin irritation Eye irritation Skin sensitisation Respiratory tract irritation Specific Target Organ Toxicity	<b>GHS 08</b> Respiratory sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific Target Organ Aspiration hazard	<b>GHS 09</b> Hazardous to the aquatic environment

## Linerless pipe markers - standard legends

**i** The sizes shown for type 2 and type 3 roll form pipe markers are the actual marker size.  
All rolls are 33 metres long.


Individual pipe markers			Roll form pipe markers			
<b>Type 1</b> 			<b>Type 2</b> Pipe diameter < 70 mm		<b>Type 3</b> Pipe diameter > 70 mm	
Size - W x H (mm)			Without symbols	With symbols	Without symbols	With symbols

Legend		GHS Symbols	Signal Word	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150
										
High pressure				N009441	N009442	N009443	N009444		N009445	
High pressure steam				N009513	N009514	N009515	N009516		N009517	
HP steam				N009522	N009523	N009524	N009525		N009526	
Low pressure				N009432	N009433	N009434	N009435		N009436	
Low pressure steam				N009495	N009496	N009497	N009498		N009499	
LP steam				N009504	N009505	N009506	N009507		N009508	
Overheated steam				N009549	N009550	N009551	N009552		N009553	
Saturated steam				N009540	N009541	N009542	N009543		N009544	
Steam				N009450	N009451	N009452	N009453		N009454	
Steam 10 bar				N009459	N009460	N009461	N009462		N009463	
Steam 24 bar				N009468	N009469	N009470	N009471		N009472	
Steam 4 bar				N009477	N009478	N009479	N009480		N009481	
Steam 6 bar				N009486	N009487	N009488	N009489		N009490	

Legend		GHS Symbols	Signal Word	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150
										
Acid water				N008703	N008704	N008705	N008706		N008707	
Boiler feed water				N008694	N008695	N008696	N008697		N008698	
Brine water				N009360	N009361	N009362	N009363		N009364	
Canal water				N009144	N009145	N009146	N009147		N009148	
Chilled water				N009342	N009343	N009344	N009345		N009346	
Chlorated water				N008865	N008866	N008867	N008868		N008869	
Circuit				N008631	N008956	N008633	N008634		N008635	
Circulating water				N008955	N008952	N008957	N008958		N008959	
City water				N009045	N009046	N009047	N009048		N009049	
Cold water				N009153	N009154	N009155	N009156		N009157	
Cold water return				N009180	N009181	N009182	N009183		N009184	
Cold water supply				N009162	N009163	N009164	N009165		N009166	
Condensate				N008658	N008659	N008660	N008661		N008662	
Condensate LP				N008667	N008668	N008669	N008670		N008671	
Condensate MP				N008676	N008677	N008678	N008679		N008680	
Condenser water				N008892	N008893	N008894	N008895		N008896	
Condenser water return				N008883	N008884	N008885	N008886		N008887	
Condenser water supply				N008901	N008902	N008903	N008904		N008905	
Cooling water				N009009	N009010	N009011	N009012		N009013	
Decarbonated water				N009063	N009064	N009065	N009066		N009067	
Deionized water				N009072	N009073	N009074	N009075		N009076	
Demineralised hot water				N009090	N009091	N009092	N009093		N009094	
Demineralised water				N009081	N009082	N009083	N009084		N009085	
Distilled hot water				N009108	N009109	N009110	N009111		N009112	
Distilled water				N009099	N009100	N009101	N009102		N009103	
Drilling water				N008973	N008974	N008975	N008976		N008977	
Drinking cold water				N009171	N009172	N009173	N009174		N009175	
Drinking water				N009306	N009307	N009308	N009309		N009310	
Feed water				N008910	N008911	N008912	N008913		N008914	
Filtered water				N009135	N009136	N009137	N009138		N009139	
Flushing water				N009018	N009019	N009020	N009021		N009022	
Heating				N008604	N008605	N008606	N008607		N008608	
Heating hot water				N008811	N008812	N008813	N008814		N008815	
Heating return				N008622	N008623	N008624	N008625		N008626	
Heating supply				N008613	N008614	N008615	N008616		N008617	
Heating water				N008919	N008920	N008921	N008922		N008923	
Heating water loop				N008937	N008938	N008939	N008940		N008941	
Heating water return				N008946	N008947	N008948	N008949		N008950	
Heating water supply				N008928	N008929	N008930	N008931		N008932	

## Linerless pipe markers - standard legends

**i** The sizes shown for type 2 and type 3 roll form pipe markers are the actual marker size.  
All rolls are 33 metres long.

Individual pipe markers			Roll form pipe markers			
<b>Type 1</b> 			<b>Type 2</b> Pipe diameter < 70 mm		<b>Type 3</b> Pipe diameter > 70 mm	
Size - W x H (mm)			Without symbols	With symbols	Without symbols	With symbols

		Legend	GHS Symbols	Signal Word	250 x 26	355 x 37	450 x 52	100 x 60	127 x 60	100 x 150	127 x 150
		Heavy water			N009234	N009235	N009236	N009237		N009238	
		Hot water			N008739	N008740	N008741	N008742		N008743	
		Hot water 105°C			N008748	N008749	N008750	N008751		N008752	
		Hot water 45°C			N008757	N008758	N008759	N008760		N008761	
		Hot water 60°C			N008766	N008767	N008768	N008769		N008770	
		Hot water 70°C			N008775	N008776	N008777	N008778		N008779	
		Hot water 90°C			N008784	N008785	N008786	N008787		N008788	
		Hot water return			N008838	N008839	N008840	N008841		N008842	
		Hot water supply			N008802	N008803	N008804	N008805		N008806	
		Ice cold water			N009198	N009199	N009200	N009201		N009202	
		Ice cold water return			N009216	N009217	N009218	N009219		N009220	
		Ice cold water supply			N009207	N009208	N009209	N009210		N009211	
		Industrial water			N009225	N009226	N009227	N009228		N009229	
		Low pressure water			N008721	N008722	N008723	N008724		N008725	
		Mains water			134510	134511	134512	134516		134517	
		Manufacturing water			N008964	N008965	N008966	N008967		N008968	
		Mineral water			N009252	N009253	N009254	N009255		N009256	
		Mitigated water			N009261	N009262	N009263	N009264		N009265	
		Non-drinking water			N009270	N009271	N009272	N009273		N009274	
		Osmosis water			N009279	N009280	N009281	N009282		N009283	
		Overheated water			N009369	N009370	N009371	N009372		N009373	
		Plant water			N009405	N009406	N009407	N009408		N009409	
		Polluted water			N009297	N009298	N009299	N009300		N009301	
		Primary circuit			N008640	N008641	N008642	N008643		N008644	
		Primary hot water			N008820	N008821	N008822	N008823		N008824	
		Process water			N009315	N009316	N009317	N009318		N009319	
		Pure water			N009126	N009127	N009128	N009129		N009130	
		Purified water			N009324	N009325	N009326	N009327		N009328	
		Rain water			N008991	N008992	N008993	N008994		N008995	
		Raw water			N008730	N008731	N008732	N008733		N008734	
		Recycled hot water			N008829	N008830	N008831	N008832		N008833	
		Recycled water			N009333	N009334	N009335	N009336		N009337	
		Return			N009423	N009424	N009425	N009426		N009427	
		River water			N009027	N009028	N009029	N009030		N009031	
		Sanitary cold water			N009189	N009190	N009191	N009192		N009193	
		Sanitary hot water			N008847	N008848	N008849	N008850		N008851	
		Sanitary water			N009351	N009352	N009353	N009354		N009355	
		Secondary circuit			N008649	N008650	N008651	N008652		N008653	
		Secondary hot water			N008856	N008857	N008858	N008859		N008860	
		Softened city water			N009054	N009055	N009056	N009057		N009058	
		Softened hot water			N008793	N008794	N008795	N008796		N008797	
		Softened water			N008712	N008713	N008714	N008715		N008716	
		Soft water			N009117	N009118	N009119	N009120		N009121	
		Supply			N008595	N008596	N008597	N008598		N008599	
		Treated water			N009387	N009388	N009389	N009390		N009391	
		Tritiated heavy water			N009243	N009244	N009245	N009246		N009247	
		Valve water			N009036	N009037	N009038	N009039		N009040	
		Washing			N009414	N009415	N009416	N009417		N009418	
		Washing water			N008982	N008983	N008984	N008985		N008986	
		Waste water			N009396	N009397	N009398	N009399		N009400	
		Water			N008685	N008686	N008687	N008688		N008689	
		Well water			N009000	N009001	N009002	N009003		N009004	

## Why pipe marking?

### Brady pipe markers enhance safety, save time and reduce costs.

- **Enhance safety.** Unmarked pipes and valves can cause danger to life and damage to equipment. Brady pipe markers will help ensure that you, your staff and your premises remain safe.
- **Reduce costs.** By correctly identifying pipes, errors can be prevented. Accidents caused by negligence lead to both physical and psychological grief and often cost companies large amounts of money.
- **Save time.** Clear, concise identification with Brady pipe markers, made from high performance laminated polyester, will stay in place and remain readable, due to high resistance to chemicals, ultraviolet rays and extreme weather conditions, saving valuable time by reducing the need to continually re-identify your pipes.



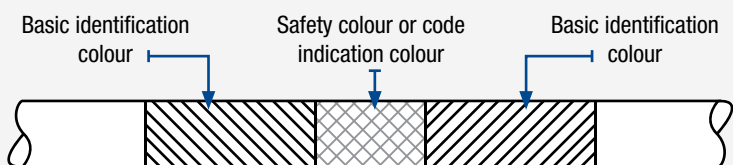
## BS 1710 approved pipe markers

The **British Standard BS 1710** pipe markers are globally recognised. The usage of pipe markers compliant to the BS 1710 will increase your plant safety. These pipe markers are a combination of 2 colour categories.

- Basic identification colour
- Code indications

## Pipe marker colours

### Application of safety colours and code indication colours



### Basic identification colour

Identifies the substance group of the substance flowing through the pipes.

Pipe content	Colour
Water	Green
Steam	Silver-grey
Oils	Brown
Gases	Yellow ochre
Acids and alkalis	Violet
Air	Light blue
Waste effluent	Black
Electrical services and ventilation ducts	Orange

### Code indication and safety colours

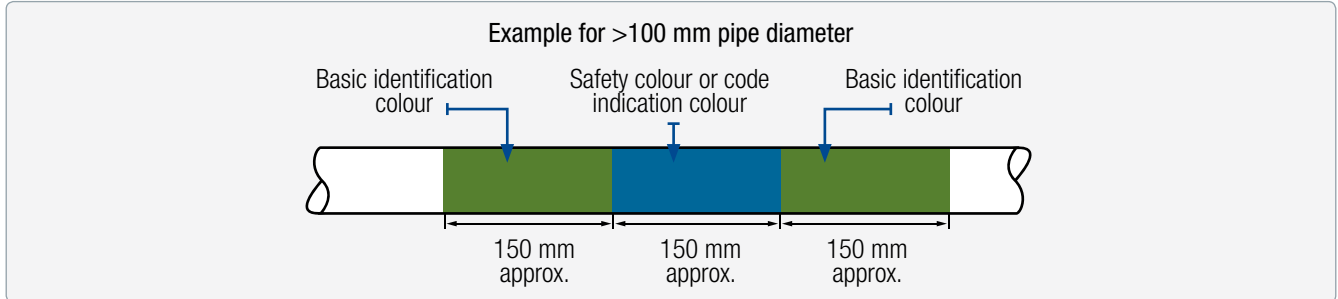
Additional information must be added in code indication colours or safety colours for these pipe contents:

Safety colours	
Fire	Red
Water from a public supply	Auxiliary blue
Water from any other source	Flint grey
Warning	Yellow

Code indication colours	
Refrigeration	Blue
Medical gases and refrigeration	Golden brown
Building services and refrigeration	Crimson
Building services and refrigeration	Emerald green
Building services	Salmon pink
Building services and medical gases	Primrose
Building services and medical gases	White
Medical gases	French grey
Medical gases	French blue
Refrigeration	Sea green
Refrigeration	Dark mauve

## Width of the colour bands on the marker

Min. Pipe Diameter (mm)	Max. Pipe Diameter (mm)	Basic identification colours (mm)	Code indication or safety colour (mm)	Basic identification colours (mm)
0	50	50	30	50
51	100	100	75	100
101	-	150	150	150



## Direction of flow and supplementary information

- An arrow or arrow shaped pipe marker indicates the content flow direction
- Supplementary information such as content name, temperature, flow and return



Arrow can be easily torn off on either side of the marker to indicate the content flow direction.

## Standard pipe marker sizes



### Roll

Pipe diameter	Width (mm)	Length (mm)
>100 mm	450	30



### Single marker

Pipe diameter	Width including two arrows (mm)	Height (mm)	Markers/ card
<50 mm	190	30	1
50 - 100 mm	330	40	1
>100 mm	530	60	1

## Pipe marker materials

- Self adhesive polyester (standard)
- Non-adhesive polyester (upon request)



Contact us to request customised pipe markers. We will create any pipe marker you need, taking into account the regulations and your personal specifications regarding text, colour, size and layout.

## Standard BS 1710 pipe marker range



Legend	Code colour	Roll	Single marker		
		B-7541P Diameter >100 mm	Diameter <50 mm	B-7541P Diameter 50 - 100 mm	
		450.00 mm x 30.00 m	190.00 mm x 30.00 mm	330.00 mm x 40.00 mm	530.00 mm x 60.00 mm
<b>Water</b>					
WATER		308759	308859	308911	308963
DRINKING WATER		308760	308860	308912	308964
		308761	308861	308913	308965
PROCESS WATER		308762	308862	308914	308966
RAINWATER		308763	308863	308915	308967
COOLING WATER		308764	308864	308916	308968
CHILLED WATER		308765	308865	308917	308969
CONDENSATE		308766	308866	308918	308970
HEATING		308767	308867	308919	308971
HOT WATER		308768	308868	308920	308972
		308769	308869	308921	308973
HPHW FLOW		308770	308870	308922	308974
HPHW RETURN		308771	308871	308923	308975
HTHW FLOW		308772	308872	308924	308976
HTMW RETURN		308773	308873	308925	308977
LPHW FLOW		308774	308874	308926	308978
LPHW RETURN		308775	308875	308927	308979
LTHW FLOW		308776	308876	308928	308980
LTHW RETURN		308777	308877	308929	308981
MTHW FLOW		308778	308878	308930	308982
MTHW RETURN		308779	308879	308931	308983
HOT WATER		308780	308880	308932	308984
PROCESS WATER		308781	308881	308933	308985
		308782	308882	308934	308986
FIRE MAIN		308783	308883	308935	308987
FIRE SPRINKLER		308784	308884	308936	308988
		308785	308885	308937	308989
FIRE MAIN		308786	308886	308938	308990
FIRE SPRINKLER		308787	308887	308939	308991
		308788	308888	308940	308992
FIRE MAIN		308789	308889	308941	308993
FIRE SPRINKLER		308790	308890	308942	308994
<b>Oil</b>					
DIESEL		308791	308891	308943	308995
OIL		308792	308892	308944	308996
<b>Gas</b>					
NATURAL GAS		308793	308893	308945	308997
AMMONIA		308794	308894	308946	308998
ARGON		308795	308895	308947	308999
BUTANOL		308796	308896	308948	309000
GAS		308797	308897	308949	309001
<b>Air</b>					
COMPRESSED AIR		308798	308898	308950	309002
VACUUM		308799	308899	308951	309003
<b>Steam</b>					
STEAM		308800	308900	308952	309004
<b>Acids &amp; alkalis</b>					
PHOSPHORIC ACID		308801	308901	308953	309005
SODIUM HYDROXIDE		308802	308902	308954	309006
SODIUM HYPOCHLORITE		308803	308903	308955	309007
SULPHURIC ACID		308804	308904	308956	309008
HYDROCHLORIC ACID		308805	308905	308957	309009
NITRIC ACID		308806	308906	308958	309010
ACID		308808	308908	308960	309012
ALKALINE		308809	308909	308961	309013
ACETONE		308810	308910	308962	309014



## Marine pipe markers

- Increase safety: highlight pipe contents with compliant ISO 14726 markers that can resist marine environments
- Complete offer: fully customisable pipe markers, signs, labels, tags, floor markers, Lockout/Tagout and spill control



## ISO 14726 compliant marine pipe markers

Marking pipes on ships and offshore sites is of the utmost importance to strengthen safety at all times. Accidents, injuries and damage to machines and equipment can originate from not knowing which substances flow through pipes.

The ISO 14726 standard (International Standard Organisation) specifies the principle colours for the identification of substances in pipes. ISO 14726-2 specifies additional colour codes that allow a more detailed identification of the substance.

ISO 14726 pipe markers are a combination of 2 colour categories:

- Main colours for media groups
- Additional colour for different media or functions

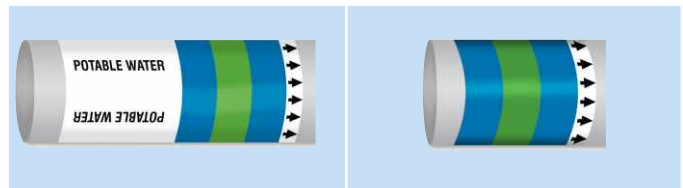
## Basic identification colour

The ISO 14726 standard defines the principle colours for identifying pipes. Each of the following colours indicates a certain group of substances.

Pipe content	Colour
Waste media	Black RAL 9005
Fresh water	Blue RAL 5015
Sea water	Green RAL 6018
Fuel	Brown RAL 8001
Non flammable gases	Grey RAL 7001
Acids and alkalis	Violet RAL 4001
Waste effluent	Black
Oil other than fuel	Orange RAL 2003
Steam	Silver RAL 9006
Air in ventilation systems	White RAL 9010
Fire fighting	Red RAL 3000
Flammable gases	Yellow-Ochre RAL 1021



## Standard marine pipe markers



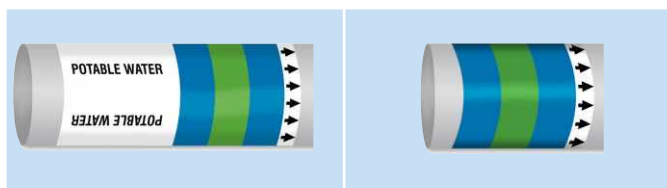
Waste media	Code colour	With legend			Without legend		
		Small 225 mm x 30.00 m	Medium 400 mm x 30.00 m	Large 600 mm x 30.00 m	Small 127 mm x 30.00 m	Medium 200 mm x 30.00 m	Large 300 mm x 30.00 m
Legend							
BLACK WATER		310763	310700	310638	310573	310509	310445
WASTE OIL		310764	310701	310639	310574	310510	310446
BILGE WATER		310765	310702	310640	310575	310511	310447
EXHAUST GAS		310766	310703	310641	310576	310512	310448
GREY WATER		310767	310704	310642	310577	310513	310449
SEWAGE		310768	310705	310643	310578	310514	310450

Fresh water	Code colour	With legend			Without legend		
		Small 225 mm x 30.00 m	Medium 400 mm x 30.00 m	Large 600 mm x 30.00 m	Small 127 mm x 30.00 m	Medium 200 mm x 30.00 m	Large 300 mm x 30.00 m
Legend							
FRESH WATER		310769	310706	310644	310579	310515	310451
POTABLE WATER		310770	310707	310645	310580	310516	310452
DISTILATE		310771	310708	310646	310581	310517	310453
GAS TURBINE WASH WATER		310772	310709	310647	310582	310518	310454
FEED WATER		310773	310710	310648	310583	310519	310455
COOLING FRESH WATER		310774	310711	310649	310584	310520	310456
CHILLED WATER		310775	310712	310650	310585	310521	310457
CONDENSATE		310776	310713	310651	310586	310522	310458

Sea water	Code colour	With legend			Without legend		
		Small 225 mm x 30.00 m	Medium 400 mm x 30.00 m	Large 600 mm x 30.00 m	Small 127 mm x 30.00 m	Medium 200 mm x 30.00 m	Large 300 mm x 30.00 m
Legend							
DECONTAMINATION WATER		310777	310714	310652	310587	310523	310459
SEA WATER - SANITARY		310778	310715	310653	310588	310524	310460
BALLAST WATER		310779	310716	310654	310589	310525	310461
COOLING SEA WATER		310780	310717	310655	310590	310526	310462

Fuel	Code colour	With legend			Without legend		
		Small 225 mm x 30.00 m	Medium 400 mm x 30.00 m	Large 600 mm x 30.00 m	Small 127 mm x 30.00 m	Medium 200 mm x 30.00 m	Large 300 mm x 30.00 m
Legend							
HFO ( HEAVY FUEL OIL)		310781	310718	310656	310591	310527	310463
AVIATION FUEL		310782	310719	310657	310592	310528	310464
BIOLOGICAL FUEL		310783	310720	310658	310593	310529	310465
GAS TURBINE FUEL		310784	310721	310659	310594	310530	310466
MDO ( MARINE DIESEL FUEL)		310785	310722	310660	310595	310531	310467
					310596	310532	310468

## Standard marine pipe markers (Continued)



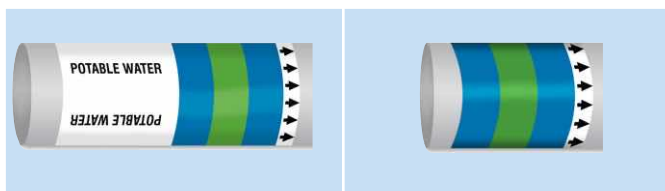
Acids and alkalis		With legend			Without legend		
		Small	Medium	Large	Small	Medium	Large
Legend	Code colour	225 mm x 30.00 m	400 mm x 30.00 m	600 mm x 30.00 m	127 mm x 30.00 m	200 mm x 30.00 m	300 mm x 30.00 m
					310606	310542	310748

Oil other than fuel		With legend			Without legend		
		Small	Medium	Large	Small	Medium	Large
Legend	Code colour	225 mm x 30.00 m	400 mm x 30.00 m	600 mm x 30.00 m	127 mm x 30.00 m	200 mm x 30.00 m	300 mm x 30.00 m
THERMAL FLUID		310795	310733	310670	310607	310543	310479
LUBRICATION OIL FOR GAS TURBINES		310796	310734	310671	310608	310544	310480
HYDRAULIC FLUID		310797	310735	310672	310609	310545	310481
LUBRICATION OF STEAM TURBINES		310798	310736	310673	310610	310546	310482
LUBICATION OIL FOR GEARS		310799	310737	310674	310611	310547	310483
LUB.OIL FOR INT. COMBUSTION ENGINES		310800	310738	310675	310612	310548	310484

Steam		With legend			Without legend		
		Small	Medium	Large	Small	Medium	Large
Legend	Code colour	225 mm x 30.00 m	400 mm x 30.00 m	600 mm x 30.00 m	127 mm x 30.00 m	200 mm x 30.00 m	300 mm x 30.00 m
STEAM FOR HEATING		310801	310739	310676	310613	310549	310485
DRIVING STEAM		310802	310740	310677	310614	310550	310486
EXHAUST STEAM		310803	310741	310678	310615	310551	310487
SUPPLY STEAM		310804	310742	310679	310616	310552	310488

Non flammable gases		With legend			Without legend		
		Small	Medium	Large	Small	Medium	Large
Legend	Code colour	225 mm x 30.00 m	400 mm x 30.00 m	600 mm x 30.00 m	127 mm x 30.00 m	200 mm x 30.00 m	300 mm x 30.00 m
OXYGEN		310786	310724	310661	310597	310533	310469
INERT GAS		310787	310725	310662	310598	310534	310470
NITROGEN		310788	310726	310663	310599	310535	310471
REFRIGERANT		310789	310727	310664	310600	310536	310472
COMPRESSED AIR - LOW PRESSURE		310790	310728	310665	310601	310537	310473
COMPRESSED AIR - HIGH PRESSURE		310791	310729	310666	310602	310538	310474
CONTROL AIR - REGULATING AIR		310792	310730	310667	310603	310539	310475
BREATHING AIR		310793	310731	310668	310604	310540	310476
BREATHING GAS		310794	310732	310669	310605	310541	310477

## Standard marine pipe markers (Continued)



Air in ventilation systems		With legend			Without legend		
		Small	Medium	Large	Small	Medium	Large
Legend	Code colour	225 mm x 30.00 m	400 mm x 30.00 m	600 mm x 30.00 m	127 mm x 30.00 m	200 mm x 30.00 m	300 mm x 30.00 m
DISCHARGE AIR		310805	310743	310680	310617	310553	310489
MECHANICAL SUPPLY AIR - COLD		310806	310744	310681	310618	310554	310490
NATURAL EXHAUST AIR		310807	310745	310682	310619	310555	310491
ATMOSPHERIC AIR		310808	310746	310683	310620	310556	310492
MECHANICAL EXHAUST AIR		310809	310747	310684	310621	310557	310493
DECONTAMINATED SUPPLY AIR		310810	310748	310685	310622	310558	310494
MECHANICAL RECIRCULATED AIR		310811	310749	310686	310623	310559	310495
MECHANICAL SUPPLY AIR - WARM		310812	310750	310687	310624	310560	310496
SMOKE CLEARANCE		310813	310751	310688	310625	310561	310497
CONDITIONED SUPPLY AIR		310814	310752	310689	310626	310562	310498
NATURAL SUPPLY AIR		310815	310753	310690	310627	310563	310748

Fire fighting		With legend			Without legend		
		Small	Medium	Large	Small	Medium	Large
Legend	Code colour	225 mm x 30.00 m	400 mm x 30.00 m	600 mm x 30.00 m	127 mm x 30.00 m	200 mm x 30.00 m	300 mm x 30.00 m
FIRE FIGHTING WATER		310816	310754	310691	310628	310564	310500
FIRE FIGHTING GAS		310817	310755	310692	310629	310565	310501
SPRINKLER WATER		310818	310756	310693	310630	310566	310502
SPRAY WATER		310819	310757	310694	310631	310567	310503
FIRE FIGHTING POWDER		310820	310758	310695	310632	310568	310504
FIRE FIGHTING FOAM		310821	310759	310696	310633	310569	310505

Flammable gases		With legend			Without legend		
		Small	Medium	Large	Small	Medium	Large
Legend	Code colour	225 mm x 30.00 m	400 mm x 30.00 m	600 mm x 30.00 m	127 mm x 30.00 m	200 mm x 30.00 m	300 mm x 30.00 m
HYDROGEN		310822	310760	310697	310634	310570	310506
ACETYLENE		310823	310761	310698	310635	310571	310507
LIQUID GAS		310824	310762	310699	310636	310572	310508

## ANSI/ASME 13.1-compliant pipe markers



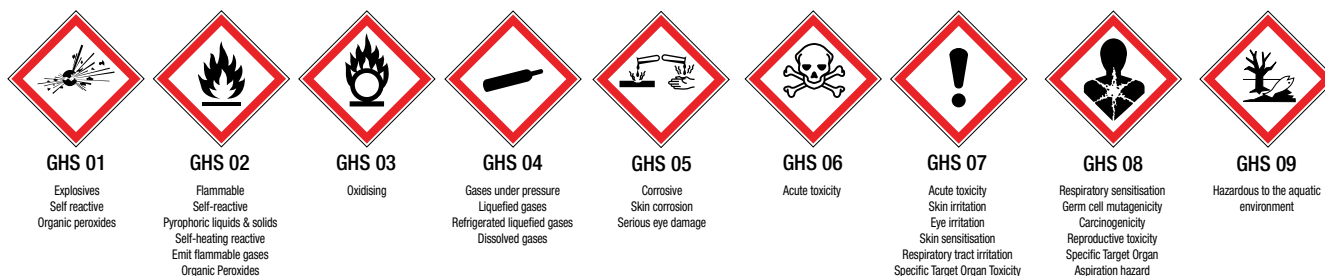
Clearly highlight hidden pipe contents with ANSI/ASME 13.1-compliant pipe markers, printed on reliable pipe marker materials that stay attached and remain legible in tough conditions.

### Colour scheme

Pipe content	Colour
Combustible Liquids	White on Brown
Air	White on Blue
Fire Fighting	White on Red
Flammable Gas	Black on Yellow
Water	White on Green
Acids & Alkalis	Black on Orange

## Warning symbols

The European Union requires dangerous substances to carry relevant GHS/CLP symbols to identify hazardous substances and inform users on these hazards.



## Dimensions

Pipe Marker Style	Minimum Pipe diameter (mm)	Maximum Pipe diameter (mm)	Height (mm)	Width (mm)	Character Height (mm)	Markers per Card/Roll
<b>B-7541 Laminated Polyester</b>						
Size 1	18	33	26	230	13	4
Size 2	34	61	37	230	19	3
Size 3	62	170	50	345	32	2
Size 4	171	254	100	690	64	1
Size 5 (HPHV optimised)	254	254	100	920	89	1



## Perforated arrow heads



ANSI/ASME 13.1-compliant pipe markers are supplied with a perforated arrow head on both ends: simply remove the one not required.

## Combustible fluids

Legend	GHS Symbols	230 x 26 mm	230 x 37 mm	345 x 50 mm	690 x 100 mm	920 x 100 mm
ARGON	GHS04	312758	312869	312983	313218	313328
DIESEL FUEL			312858	312972	313194	313317
GLYCOL	GHS07		312859	312973	313195	313318
HEATING FUEL OIL	GHS08		312860	312974	313196	313319
HEAVY FUEL OIL HFO	GHS08		312861	312975	313197	313320
HELIUM	GHS04	312759	312870	312984	313219	313329
HYDRAULIC OIL			312867	312981	313216	313326
HYDROGEN	GHS02, GHS04		312862	312976	313198	313321
HYDROGEN FLUORIDE	GHS06, GHS05		312863	312977	313199	313322
LUBRICATING OIL			312868	312982	313217	313327
MIXED GAS	GHS04	312760	312871	312985	313220	313330
NITROGEN	GHS04	312761	312872	312986	313221	313331
OIL			312864	312978	313200	313323
RECUPERATED OIL			312865	312979	313201	313324
SOLUBLE OIL			312866	312980	313202	313325

## Compressed air

Legend	GHS Symbols	230 x 26 mm	230 x 37 mm	345 x 50 mm	690 x 100 mm	920 x 100 mm
AIR		312762	312873	312987	313222	313332
COMPRESSED AIR		312763	312874	312988	313223	313333
EXHAUST		312764	312875	312989	313224	313334
FREON		312765	312876	312990	313225	313335
HOT AIR		312766	312877	312991	313226	313336
PROCESS AIR		312767	312878	312992	313227	313337
VACUUM		312768	312879	312993	313228	313338

## Fire quenching fluids

Legend	GHS Symbols	230 x 26 mm	230 x 37 mm	345 x 50 mm	690 x 100 mm	920 x 100 mm
FIRE PROTECTION WATER		312769	312880	312994		
FIRE SPRINKLER		312770	312881	312995		
FOAM		312771	312882	312996		
SPRINKLERS		312772	312883	312997		



### Danger symbols

From 0 and up to 6 different danger symbols can be shown on the pipe marker, depending on the substance and in accordance with the CLP regulation.



**GHS 01**  
Explosives  
Self reactive  
Organic peroxides



**GHS 02**  
Flammable  
Self-reactive  
Pyrophoric liquids & solids  
Self-heating reactive  
Emit flammable gases  
Organic Peroxides



**GHS 03**  
Oxidising



**GHS 04**  
Gases under pressure  
Liquefied gases  
Refrigerated liquefied gases  
Dissolved gases



**GHS 05**  
Corrosive  
Skin corrosion  
Serious eye damage



**GHS 06**  
Acute toxicity



**GHS 07**  
Acute toxicity  
Skin irritation  
Eye irritation  
Skin sensitisation  
Respiratory tract irritation  
Specific Target Organ Toxicity



**GHS 08**  
Respiratory sensitisation  
Germ cell mutagenicity  
Carcinogenicity  
Reproductive toxicity  
Specific Target Organ  
Aspiration hazard



**GHS 09**  
Hazardous to the aquatic environment

## Flammable fluids

Legend	GHS Symbols	230 x 26 mm	230 x 37 mm	345 x 50 mm	690 x 100 mm	920 x 100 mm
ACETONE	GHS02, GHS07	312775	312886	313000	313231	313341
ACETYLENE GAS	GHS02, GHS07	312776	312887	313001	313232	313342
ACRYLONITRILE	GHS02, GHS06, GHS08	312777	312888	313002	313233	313343
ALCOHOL	GHS02	312778	312889	313003	313234	313344
BIO GAS	GHS02, GHS04	312773	312884	312998	313229	313339
BUTANE	GHS02, GHS04	312779	312890	313004	313235	313345
CYCLOHEXANE	GHS02, GHS08, GHS07	312780	312891	313005	313236	313346
EFFLUENTS	GHS02	312781	312892	313006	313237	313347
EMULSION	GHS02	312782	312893	313007	313238	313348
ETHANE	GHS02	312783	312894	313008	313239	313349
ETHYLENE	GHS02, GHS04, GHS07	312784	312895	313009	313240	313350
FLAMMABLE LIQUID	GHS02	312785	312896	313013	313241	313351
FUEL	GHS02, GHS08	312786	312897	313017	313242	313352
GAS	GHS02, GHS04	312787	312898	313018	313243	313353
GASOLINE	GHS02, GHS08, GHS09	312788	312899	313019	313244	313354
ISOPROPYL ALCOHOL	GHS02, GHS07	312789	312900	313020	313245	313355
KEROSENE	GHS02, GHS08	312790	312901	313021	313246	313356
LPG	GHS04, GHS02, GHS08	312791	312902	313022	313247	313357
METHANE	GHS02, GHS04	312792	312903	313023	313248	313358
METHANOL	GHS02, GHS06, GHS08	312793	312904	313024	313249	313359
METHYL ACETATE	GHS02, GHS07	312794	312905	313025	313250	313360
NATURAL GAS	GHS02, GHS04	312774	312885	312999	313230	313340
PROPANE	GHS02, GHS04	312795	312906	313026	313251	313361
PROPANOL	GHS02, GHS05, GHS07	312796	312907	313027	313252	313362
TETRAHYDROFURAN	GHS02, GHS07	312797	312908	313028	313253	313363
TOLUENE	GHS02, GHS08, GHS07	312798	312909	313029	313254	313364
TURPENTINE	GHS02, GHS09, GHS08	312799	312910	313030	313255	313365
WHITE SPIRIT	GHS02, GHS09, GHS08	312800	312911	313031	313256	313366
XYLENE	GHS02, GHS07	312801	312912	313032	313257	313367

## Potable, cooling, boiler feed, and other water

Legend	GHS Symbols	230 x 26 mm	230 x 37 mm	345 x 50 mm	690 x 100 mm	920 x 100 mm
BOILER FEED WATER		312802	312913	313033	313258	313368
CANAL WATER		312803	312914	313034	313259	313369
CHILLED WATER		312804	312915	313036	313260	313370
CONDENSATE	GHS04	312805	312916	313037	313261	313371
COOLING WATER RETURN		312806	312917	313038	313262	313372
COOLING WATER SUPPLY		312807	312918	313039	313263	313373
DEIONIZED WATER		312808	312919	313040	313264	313374
DEMINERALISED WATER		312809	312920	313041	313265	313375
DISTILLED WATER		312810	312921	313042	313266	313376
DRAIN		312811	312922	313043	313267	313377
HIGH PRESSURE STEAM		312812	312923	313044	313268	313378
HOT WATER		312813	312924	313045	313269	313379
LOW PRESSURE STEAM		312814	312925	313046	313270	313380
NON-DRINKING WATER		312815	312926	313047	313271	313381
OSMOSIS WATER		312816	312927	313048	313272	313382
POTABLE WATER		312817	312928	313049	313273	313383
PROCESS WATER		312818	312929	313050	313274	313384
SEA WATER			312930	313051	313275	313385
SEA WATER RETURN			312931	313062	313276	313386
SEA WATER SUPPLY			312932	313063	313277	313387
SERVICE WATER		312819	312933	313065	313278	313388
STEAM		312820	312934	313066	313279	313389
UTILITY WATER RETURN		312821	312935	313067	313280	313390
UTILITY WATER SUPPLY		312822	312936	313068	313281	313391
WATER		312823	312937	313069	313282	313392

## Toxic and corrosive fluids

Legend	GHS Symbols	230 x 26 mm	230 x 37 mm	345 x 50 mm	690 x 100 mm	920 x 100 mm
ACETIC ACID	GHS02, GHS05	312824	312938	313070	313283	313393
ACETONITRILE	GHS02, GHS07	312825	312939	313071	313284	313394
ACID	GHS05	312826	312940	313072	313285	313395
ALKALINE	GHS05	312827	312941	313073	313286	313396
ALLYLAMINE	GHS02, GHS06, GHS09	312828	312942	313074	313287	313397
AMMONIA	GHS06, GHS05, GHS04	312829	312943	313075	313288	313398
AMMONIA SOLUTION	GHS05, GHS09	312830	312944	313087	313289	313399
BLEACH	GHS05, GHS09	312831	312945	313089	313290	313400
CARBON DIOXIDE (CO2)	GHS04	312832	312946	313090	313291	313401
CARBON MONOXIDE (CO)	GHS04	312833	312947	313091	313292	313402
CHEMICAL EFFLUENTS		312834	312948	313092	313293	313403
CHLORINE	GHS03, GHS06, GHS09	312835	312949	313093	313294	313404
CHLORINE GAS	GHS03, GHS06	312836	312950	313094	313295	313405
FORMALDEHYDE	GHS06, GHS08, GHS05	312837	312951	313117	313296	313406
FORMIC ACID	GHS05	312838	312952	313118	313297	313407
HYDROCHLORIC ACID	GHS05, GHS07	312839	312953	313175	313298	313408
HYDROFLUORIC ACID	GHS06, GHS05	312840	312954	313176	313299	313409
LIQUID NITROGEN	GHS04	312841	312955	313177	313300	313410
LIQUID OXYGEN	GHS03, GHS04	312842	312956	313178	313301	313411
NAOH	GHS05	312843	312957	313179	313302	313412
NITRIC ACID	GHS03, GHS05	312844	312958	313180	313303	313413
OXALIC ACID	GHS07	312845	312959	313181	313304	313414
PHENOL	GHS05, GHS06, GHS08	312846	312960	313182	313305	313415
PHOSPHORIC ACID	GHS05	312847	312961	313183	313306	313416
POTASSIUM	GHS02, GHS05	312848	312962	313184	313307	313417
POTASSIUM HYDROXIDE	GHS05, GHS07	312849	312963	313185	313308	313418
SODIUM CARBONATE	GHS07	312850	312964	313186	313309	313419
SODIUM FLUORIDE	GHS06	312851	312965	313187	313310	313420
SODIUM HYDROXIDE	GHS05	312852	312966	313188	313311	313421
SODIUM HYPOCHLORITE	GHS05, GHS09	312853	312967	313189	313312	313422
SODIUM NITRITE	GHS03, GHS06, GHS09	312854	312968	313190	313313	313423
SODIUM SULPHIDE	GHS05, GHS09	312855	312969	313191	313314	313424
SULPHURIC ACID	GHS05	312856	312970	313192	313315	313425
TRICHLOROETHYLENE	GHS08, GHS07	312857	312971	313193	313316	313426



### Danger symbols

From 0 and up to 6 different danger symbols can be shown on the pipe marker, depending on the substance and in accordance with the CLP regulation.



**GHS 01**  
Explosives  
Self reactive  
Organic peroxides



**GHS 02**  
Flammable  
Self-reactive  
Pyrophoric liquids & solids  
Self-heating reactive  
Emit flammable gases  
Organic Peroxides



**GHS 03**  
Oxidising



**GHS 04**  
Gases under pressure  
Liquefied gases  
Refrigerated liquefied gases  
Dissolved gases



**GHS 05**  
Corrosive  
Skin corrosion  
Serious eye damage



**GHS 06**  
Acute toxicity



**GHS 07**  
Acute toxicity  
Skin irritation  
Eye irritation  
Skin sensitisation  
Respiratory tract irritation  
Specific Target Organ Toxicity



**GHS 08**  
Respiratory sensitisation  
Germ cell mutagenicity  
Carcinogenicity  
Reproductive toxicity  
Specific Target Organ  
Aspiration hazard



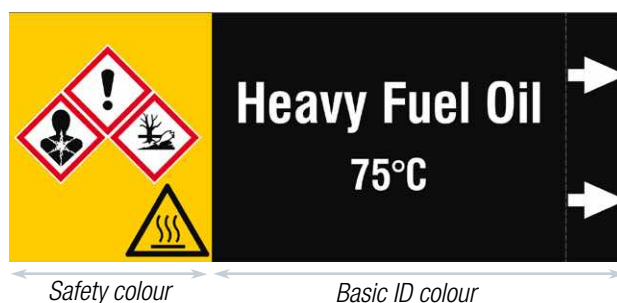
**GHS 09**  
Hazardous to the aquatic environment

## ISO 20560 approved pipe markers



ISO 20560 pipe markers are globally recognized. The usage of pipe markers compliant to the ISO 20560 will increase your plant safety. Those pipe markers are a combination of 2 colour zones:

- the basic identification colour zone, in which you can put the content name and additional safety information, like pressure, temperature and speed
- the safety colour to visualize increased risk, through the means on GHS/CLP or ISO-7010 warning sign



## Colour scheme & Warning symbols

	Pipe content	Colour
Basic identification	Acids	Black on Orange
	Air	White on Blue
	Alkalis	White on Violet
	Fire Fighting	White on Red
	Gas	Black on Grey
	Liquids and fixed materials	White on Black
	Water	White on Green
Safety	Hazardous substances	Black on Yellow

## Warning symbols

The European Union requires dangerous substances to carry relevant GHS/CLP symbols to identify hazardous substances and inform users on these hazards. Other relevant symbols can be added, such as an ISO 7010 hot surface warning symbol. Relevant symbols should be grouped at one side and displayed on the yellow safety colour background.

## Dimensions

### Sheet - with tear-off arrow



### Sheet - 360° View



Pipe Marker Style	Minimum Pipe diameter (mm)	Maximum Pipe diameter (mm)	Height (mm)	Width (mm)
<b>B-7541 Laminated Polyester</b>				
A	0	50	30	115
B	51	100	60	115
C	101	150	90	115
D	151	300	125	160
E	301	500	210	160
H	501	3000	210	240
A-Y	0	50	30	165
B-Y	51	100	60	165
C-Y	101	150	90	165
D-Y	151	300	125	220
E-Y	301	500	210	220
H-Y	501	3000	210	340

Pipe Marker Style	Minimum Pipe diameter (mm)	Maximum Pipe diameter (mm)	Height (mm)	Roll Length	Width (mm)
<b>B-7541 Laminated Polyester</b>					
A360	0	50	175		85
B360	51	100	350		85
C360	101	150	500		85
D360	151	300	1000		120
E360	301	500	1700		120
H360	501	3000		30 m	200
A360-Y	0	50	175		135
B360-Y	51	100	350		135
C360-Y	101	150	500		135
D360-Y	151	300	1000		180
E360-Y	301	500	1700		180
H360-Y	501	3000		30 m	300

Style A(360): Single pipe marker with 1 basic ID colour.

Style A(360)-Y: Single pipe marker with 1 basic ID colour + yellow Safety colour.



## Acids

Legend	GHS Symbols	Single markers					
		A-Y	B-Y	C-Y	D-Y	E-Y	H-Y
ACETIC ACID	GHS02, GHS05	313709	313783	313857	313931	314005	314292
ACID	GHS05	313710	313784	313858	313932	314006	314293
FORMALDEHYDE	GHS06, GHS08, GHS05	313711	313785	313859	313933	314007	314294
FORMIC ACID	GHS05	313712	313786	313860	313934	314008	314295
HYDROCHLORIC ACID	GHS05, GHS07	313713	313787	313861	313935	314009	314296
HYDROFLUORIC ACID	GHS06, GHS05	313714	313788	313862	313936	314010	314297
HYDROGEN FLUORIDE	GHS06, GHS05	313708	313782	313856	313930	314004	314291
NITRIC ACID	GHS03, GHS05	313715	313789	313863	313937	314011	314298
OXALIC ACID	GHS07	313716	313790	313864	313938	314012	314299
PHENOL	GHS05, GHS06, GHS08	313717	313791	313865	313939	314013	314300
PHOSPHERIC ACID	GHS05	313718	313792	313866	313940	314014	314301
SULPHURIC ACID	GHS05	313719	313793	313867	313941	314015	314302

Legend	GHS Symbols	360° view					
		A360-Y	B360-Y	C360-Y	D360-Y	E360-Y	H360-Y
ACETIC ACID	GHS02, GHS05	314629	314706	314782	314859	314934	314994
ACID	GHS05	314630	314707	314783	314860	314935	314995
FORMALDEHYDE	GHS06, GHS08, GHS05	314631	314708	314784	314861	314936	314996
FORMIC ACID	GHS05	314632	314709	314785	314862	314937	314997
HYDROCHLORIC ACID	GHS05, GHS07	314633	314710	314786	314863	314938	314998
HYDROFLUORIC ACID	GHS06, GHS05	314634	314711	314787	314864	314939	314999
HYDROGEN FLUORIDE	GHS06, GHS05	314628	314705	314781	314858	314933	314993
NITRIC ACID	GHS03, GHS05	314635	314712	314788	314865	314940	315000
OXALIC ACID	GHS07	314636	314713	314789	314866	314941	315001
PHENOL	GHS05, GHS06, GHS08	314637	314714	314790	314867	314942	315002
PHOSPHERIC ACID	GHS05	314638	314715	314791	314868	314943	315003
SULPHURIC ACID	GHS05	314639	314716	314792	314869	314944	315004



### Danger symbols

From 0 and up to 3 different danger symbols can be shown on the pipe marker, depending on the substance and in accordance with the CLP regulation.



**GHS 01**  
Explosives  
Self reactive  
Organic peroxides



**GHS 02**  
Flammable  
Self-reactive  
Pyrophoric liquids & solids  
Self-heating reactive  
Emit flammable gases  
Organic Peroxides



**GHS 03**  
Oxidising



**GHS 04**  
Gases under pressure  
Liquefied gases  
Refrigerated liquefied gases  
Dissolved gases



**GHS 05**  
Corrosive  
Skin corrosion  
Serious eye damage



**GHS 06**  
Acute toxicity



**GHS 07**  
Acute toxicity  
Skin irritation  
Eye irritation  
Skin sensitisation  
Respiratory tract irritation  
Specific Target Organ Toxicity



**GHS 08**  
Respiratory sensitisation  
Germ cell mutagenicity  
Carcinogenicity  
Reproductive toxicity  
Specific Target Organ  
Aspiration hazard



**GHS 09**  
Hazardous to the aquatic environment

## Air

Legend	GHS Symbols	Single markers											
		A	B	C	D	E	H	A-Y	B-Y	C-Y	D-Y	E-Y	H-Y
AIR		314059	314095	314134	314173	314208	314243						
COMPRESSED AIR		314060	314096	314135	314174	314209	314244						
EXHAUST		314061	314097	314136	314175	314210	314245						
HOT AIR	W017							313745	313819	313893	313967	314041	314328
PROCESS AIR		314063	314099	314138	314177	314212	314247						
VACUUM		314064	314100	314139	314178	314213	314248						

Legend	GHS Symbols	360° view											
		A360	B360	C360	D360	E360	H360	A360-Y	B360-Y	C360-Y	D360-Y	E360-Y	H360-Y
AIR		314345	314382	314424	314501	314536	314571						
COMPRESSED AIR		314346	314383	314425	314502	314537	314572						
EXHAUST		314347	314384	314426	314503	314538	314573						
HOT AIR	W017							314665	314742	314819	314895	314964	315024
PROCESS AIR		314350	314386	314428	314505	314540	314575						
VACUUM		314351	314387	314429	314506	314541	314576						



### Danger symbols



W010 - Warning: Low temperature/freezing conditions



W017 - Warning: Hot surface

The European Union requires dangerous substances to carry relevant GHS/CLP symbols to identify hazardous substances and inform users on these hazards. Other relevant symbols can be added, such as an ISO 7010 hot surface warning symbol. Relevant symbols should be grouped at one side and displayed on the yellow safety colour background.

From 0 and up to 3 different danger symbols can be shown on the pipe marker, depending on the substance and in accordance with the CLP regulation.



**GHS 01**  
Explosives  
Self reactive  
Organic peroxides



**GHS 02**  
Flammable  
Self-reactive  
Pyrophoric liquids & solids  
Self-heating reactive  
Emit flammable gases  
Organic Peroxides



**GHS 03**  
Oxidising



**GHS 04**  
Gases under pressure  
Liquefied gases  
Refrigerated liquefied gases  
Dissolved gases



**GHS 05**  
Corrosive  
Skin corrosion  
Serious eye damage



**GHS 06**  
Acute toxicity



**GHS 07**  
Acute toxicity  
Skin irritation  
Eye irritation  
Skin sensitisation  
Respiratory tract irritation  
Specific Target Organ Toxicity



**GHS 08**  
Respiratory sensitisation  
Germ cell mutagenicity  
Carcinogenicity  
Reproductive toxicity  
Specific Target Organ  
Aspiration hazard



**GHS 09**  
Hazardous to the aquatic environment

## Alkalis

Legend	GHS Symbols	Single markers					
		A-Y	B-Y	C-Y	D-Y	E-Y	H-Y
ALKALINE	GHS05	313749	313823	313897	313971	314045	314332
AMMONIA	GHS06, GHS05, GHS04	313750	313824	313898	313972	314046	314333
AMMONIA SOLUTION	GHS05, GHS09	313751	313825	313899	313973	314047	314334
BLEACH	GHS05, GHS09	313752	313826	313900	313974	314048	314335
GLYCOL	GHS07	313748	313822	313896	313970	314044	314331
NAOH	GHS05	313753	313827	313901	313975	314049	314336
POTASSIUM	GHS02, GHS05	313754	313828	313902	313976	314050	314337
POTASSIUM HYDROXIDE	GHS05, GHS07	313755	313829	313903	313977	314051	314338
SODIUM CARBONATE	GHS07	313756	313830	313904	313978	314052	314339
SODIUM FLUORIDE	GHS06	313757	313831	313905	313979	314053	314340
SODIUM HYDROXIDE	GHS05	313758	313832	313906	313980	314054	314341
SODIUM HYPOCHLORITE	GHS05, GHS09	313759	313833	313907	313981	314055	314342
SODIUM NITRITE	GHS03, GHS06, GHS09	313760	313834	313908	313982	314056	314343
SODIUM SULPHIDE	GHS05, GHS09	313761	313835	313909	313983	314058	314344

Legend	GHS Symbols	360° view					
		A360-Y	B360-Y	C360-Y	D360-Y	E360-Y	H360-Y
ALKALINE	GHS05	314669	314746	314823	314899	314968	315028
AMMONIA	GHS06, GHS05, GHS04	314670	314747	314824	314900	314969	315029
AMMONIA SOLUTION	GHS05, GHS09	314671	314748	314825	314901	314970	315030
BLEACH	GHS05, GHS09	314672	314749	314826	314902		
GLYCOL	GHS07	314668	314745	314822	314898	314967	315027
NAOH	GHS05	314673	314750	314827	314903		
POTASSIUM	GHS02, GHS05	314674	314751	314828	314904		
POTASSIUM HYDROXIDE	GHS05, GHS07	314675	314752	314829	314905		
SODIUM CARBONATE	GHS07	314676	314753	314830	314906	314971	315031
SODIUM FLUORIDE	GHS06	314677	314754	314831	314907		
SODIUM HYDROXIDE	GHS05	314678	314755	314832	314908		
SODIUM HYPOCHLORITE	GHS05, GHS09	314679	314756	314833	314909		
SODIUM NITRITE	GHS03, GHS06, GHS09	314680	314757	314834	314910		
SODIUM SULPHIDE	GHS05, GHS09	314681	314758	314835	314911		



## Dimensions

### Sheet - with tear-off arrow

Pipe Marker Style	Minimum Pipe diameter (mm)	Maximum Pipe diameter (mm)	Height (mm)	Width (mm)
<b>B-7541 Laminated Polyester</b>				
A	0	50	30	115
B	51	100	60	115
C	101	150	90	115
D	151	300	125	160
E	301	500	210	160
H	501	3000	210	240
A-Y	0	50	30	165
B-Y	51	100	60	165
C-Y	101	150	90	165
D-Y	151	300	125	220
E-Y	301	500	210	220
H-Y	501	3000	210	340

### Sheet - 360° View

Pipe Marker Style	Minimum Pipe diameter (mm)	Maximum Pipe diameter (mm)	Height (mm)	Roll Length	Width (mm)
<b>B-7541 Laminated Polyester</b>					
A360	0	50	175		85
B360	51	100	350		85
C360	101	150	500		85
D360	151	300	1000		120
E360	301	500	1700		120
H360	501	3000		30 m	200
A360-Y	0	50	175		135
B360-Y	51	100	350		135
C360-Y	101	150	500		135
D360-Y	151	300	1000		180
E360-Y	301	500	1700		180
H360-Y	501	3000		30 m	300

Style A(360): Single pipe marker with 1 basic ID colour.

Style A(360)-Y: Single pipe marker with 1 basic ID colour + yellow Safety colour.

## Fire fighting

Legend	GHS Symbols	Single markers			360° view		
		A	B	C	A360	B360	C360
FIRE PROTECTION WATER		314084	314123	314162	314371	314413	314452
FIRE SPRINKLER		314085	314124	314163	314372	314414	314453
FOAM		314086	314125	314164	314373	314415	314454
SPRINKLERS		314087	314126	314165	314374	314416	314455

## Gases in either gaseous or liquefied conditions

Legend	GHS Symbols	Single markers											
		A	B	C	D	E	H	A-Y	B-Y	C-Y	D-Y	E-Y	H-Y
ACETYLENE GAS	GHS02, GHS04							313695	313769	313843	313917	313991	314278
ARGON	GHS04							313689	313763	313837	313911	313985	314272
BIO GAS	GHS02, GHS04							313693	313767	313841	313915	313989	314276
BUTANE	GHS02, GHS04							313696	313770	313844	313918	313992	314279
CARBON DIOXIDE (CO2)	GHS04							313704	313778	313852	313926	314000	314287
CARBON MONOXIDE (CO)	GHS04							313705	313779	313853	313927	314001	314288
CHLORINE GAS	GHS03, GHS06							313706	313780	313854	313928	314002	314289
CONDENSATE	GHS04							313703	313777	313851	313925	313999	314286
ETHANE	GHS02, GHS04							313697	313771	313845	313919	313993	314280
ETHYLENE	GHS02, GHS04, GHS07							313698	313772	313846	313920	313994	314281
FREON		314062	314098	314137	314176	314211	314246						
GAS	GHS02, GHS04							313699	313773	313847	313921	313995	314282
HELIUM	GHS04							313690	313764	313838	313912	313986	314273
HIGH PRESSURE STEAM	W017							314074	314110	314149	314188	314223	314258
HYDROGEN	GHS02, GHS04							313688	313762	313836	313910	313984	314271
LIQUID NITROGEN	GHS04, W010		314088	314127	314166	314201	314236						
LIQUID OXYGEN	GHS03, GHS04							313707	313781	313855	313929	314003	314290
LOW PRESSURE STEAM	W017							314075	314111	314150	314189	314224	314259
LPG	GHS04, GHS02, GHS08							313700	313774	313848	313922	313996	314283
METHANE	GHS02, GHS04							313701	313775	313849	313923	313997	314284
MIXED GAS	GHS04							313691	313765	313839	313913	313987	314274
NATURAL GAS	GHS02, GHS04							313694	313768	313842	313916	313990	314277
NITROGEN	GHS04							313692	313766	313840	313914	313988	314275
PROPANE	GHS02, GHS04							313702	313776	313850	313924	313998	314285
STEAM	W017							313747	313821	313895	313969	314043	314330



### Danger symbols



W010 - Warning: Low temperature/freezing conditions



W017 - Warning: Hot surface

The European Union requires dangerous substances to carry relevant GHS/CLP symbols to identify hazardous substances and inform users on these hazards. Other relevant symbols can be added, such as an ISO 7010 hot surface warning symbol. Relevant symbols should be grouped at one side and displayed on the yellow safety colour background.

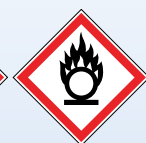
From 0 and up to 3 different danger symbols can be shown on the pipe marker, depending on the substance and in accordance with the CLP regulation.



**GHS 01**  
Explosives  
Self reactive  
Organic peroxides



**GHS 02**  
Flammable  
Self-reactive  
Pyrophoric liquids & solids  
Self-heating reactive  
Emit flammable gases  
Organic Peroxides



**GHS 03**  
Oxidising



**GHS 04**  
Gases under pressure  
Liquefied gases  
Refrigerated liquefied gases  
Dissolved gases



**GHS 05**  
Corrosive  
Skin corrosion  
Serious eye damage



**GHS 06**  
Acute toxicity



**GHS 07**  
Acute toxicity  
Skin irritation  
Eye irritation  
Skin sensitisation  
Respiratory tract irritation  
Specific Target Organ Toxicity



**GHS 08**  
Respiratory sensitisation  
Germ cell mutagenicity  
Carcinogenicity  
Reproductive toxicity  
Specific Target Organ  
Aspiration hazard



**GHS 09**  
Hazardous to the aquatic environment

## Gases in either gaseous or liquefied conditions (Continued)

Legend	GHS Symbols	360° view											
		A360	B360	C360	D360	E360	H360	A360-Y	B360-Y	C360-Y	D360-Y	E360-Y	H360-Y
ACETYLENE GAS	GHS02, GHS04							314615	314691	314768	314845	314921	314981
ARGON	GHS04							314609	314685	314762	314839	314915	314975
BIO GAS	GHS02, GHS04							314613	314689	314766	314843	314919	314979
BUTANE	GHS02, GHS04							314616	314692	314769	314846	314922	314982
CARBON DIOXIDE (CO2)	GHS04							314624	314700	314777	314854	314930	314990
CARBON MONOXIDE (CO)	GHS04							314625	314701	314778	314855	314931	314991
CHLORINE GAS	GHS03, GHS06							314626	314702	314779	314856	314932	314992
CONDENSATE	GHS04							314623	314699	314776	314853	314929	314989
ETHANE	GHS02, GHS04							314617	314693	314770	314847	314923	314983
ETHYLENE	GHS02, GHS04, GHS07							314618	314694	314771	314848	314924	314984
FREON		314348	314385	314427	314504	314539	314574	314348	314695	314772	314849	314925	314985
GAS	GHS02, GHS04							314619	314695	314772	314849	314925	314985
HELIUM	GHS04							314610	314686	314763	314840	314916	314976
HIGH PRESSURE STEAM	W017							314682	314759	314836	314912	314972	315032
HYDROGEN	GHS02, GHS04							314608	314684	314761	314838	314914	314974
LIQUID NITROGEN	GHS04, W010		314375	314417	314494	314529	314564						
LIQUID OXYGEN	GHS03, GHS04							314627	314704	314780	314857		
LOW PRESSURE STEAM	W017							314683	314760	314837	314913	314973	315033
LPG	GHS04, GHS02, GHS08							314620	314696	314773	314850	314926	314986
METHANE	GHS02, GHS04							314621	314697	314774	314851	314927	314987
MIXED GAS	GHS04							314611	314687	314764	314841	314917	314977
NATURAL GAS	GHS02, GHS04							314614	314690	314767	314844	314920	314980
NITROGEN	GHS04							314612	314688	314765	314842	314918	314978
PROPANE	GHS02, GHS04							314622	314698	314775	314852	314928	314988
STEAM	W017							314667	314667	314744	314821	314897	315026



### Dimensions



Sheet - with tear-off arrow

Pipe Marker Style	Minimum Pipe diameter (mm)	Maximum Pipe diameter (mm)	Height (mm)	Width (mm)
<b>B-7541 Laminated Polyester</b>				
A	0	50	30	115
B	51	100	60	115
C	101	150	90	115
D	151	300	125	160
E	301	500	210	160
H	501	3000	210	240
A-Y	0	50	30	165
B-Y	51	100	60	165
C-Y	101	150	90	165
D-Y	151	300	125	220
E-Y	301	500	210	220
H-Y	501	3000	210	340



Sheet - 360° View

Pipe Marker Style	Minimum Pipe diameter (mm)	Maximum Pipe diameter (mm)	Height (mm)	Roll Length	Width (mm)
<b>B-7541 Laminated Polyester</b>					
A360	0	50	175		85
B360	51	100	350		85
C360	101	150	500		85
D360	151	300	1000		120
E360	301	500	1700		120
H360	501	3000		30 m	200
A360-Y	0	50	175		135
B360-Y	51	100	350		135
C360-Y	101	150	500		135
D360-Y	151	300	1000		180
E360-Y	301	500	1700		180
H360-Y	501	3000		30 m	300

Style A(360): Single pipe marker with 1 basic ID colour.

Style A(360)-Y: Single pipe marker with 1 basic ID colour + yellow Safety colour.

## Liquids and fixed materials

Legend	GHS Symbols	Single markers										
		B	C	D	E	H	A-Y	B-Y	C-Y	D-Y	E-Y	H-Y
ACETONE	GHS02, GHS07						313722	313796	313870	313944	314018	314305
ACETONITRILE	GHS02, GHS07						313741	313815	313889	313963	314037	314324
ACRYLONITRILE	GHS02, GHS06, GHS08						313723	313797	313871	313945	314019	314306
ALCOHOL	GHS02						313724	313798	313872	313946	314020	314307
ALLYLAMINE	GHS02, GHS06, GHS09						313742	313816	313890	313964	314038	314325
CHLORINE	GHS03, GHS06, GHS09						313743	313817	313891	313965	314039	314326
CYCLOHEXANE	GHS02, GHS08, GHS07						313725	313799	313873	313947	314021	314308
DIESEL FUEL		314089	314128	314167	314202	314237						
EFFLUENTS	GHS02						313726	313800	313874	313948	314022	314309
EMULSION	GHS02						313727	313801	313875	313949	314023	314310
FLAMMABLE LIQUID	GHS02						313728	313802	313876	313950	314024	314311
FUEL	GHS02, GHS08						313729	313803	313877	313951	314025	314312
GASOLINE	GHS02, GHS08, GHS09						313730	313804	313878	313952	314026	314313
HEATING FUEL OIL	GHS08						313720	313794	313868	313942	314016	314303
HEAVY FUEL OIL HFO	GHS08						313721	313795	313869	313943	314017	314304
HYDRAULIC OIL		314093	314132	314171	314206	314241						
ISOPROPYL ALCOHOL	GHS02, GHS07						313731	313805	313879	313953	314027	314314
KEROSENE	GHS02, GHS08						313732	313806	313880	313954	314028	314315
LUBRICATING OIL		314094	314133	314172	314207	314242						
METHANOL	GHS02, GHS06, GHS08						313733	313807	313881	313955	314029	314316
METHYL ACETATE	GHS02, GHS07						313734	313808	313882	313956	314030	314317
OIL		314090	314129	314168	314203	314238						
PROPANOL	GHS02, GHS05, GHS07						313735	313809	313883	313957	314031	314318
RECUPERATED OIL		314091	314130	314169	314204	314239						
SOLUBLE OIL		314092	314131	314170	314205	314240						
TETRAHYDROFURAN	GHS02, GHS07						313736	313810	313884	313958	314032	314319
TOLUENE	GHS02, GHS08, GHS07						313737	313811	313885	313959	314033	314320
TRICHLOROETHYLENE	GHS08, GHS07						313744	313818	313892	313966	314040	314327
TURPENTINE	GHS02, GHS09, GHS08						313738	313812	313886	313960	314034	314321
WHITE SPIRIT	GHS02, GHS09, GHS08						313739	313813	313887	313961	314035	314322
XYLENE	GHS02, GHS07						313740	313814	313888	313962	314036	314323



### Danger symbols



**W010 - Warning: Low temperature/freezing conditions**



**W017 - Warning: Hot surface**

The European Union requires dangerous substances to carry relevant GHS/CLP symbols to identify hazardous substances and inform users on these hazards. Other relevant symbols can be added, such as an ISO 7010 hot surface warning symbol. Relevant symbols should be grouped at one side and displayed on the yellow safety colour background.

From 0 and up to 3 different danger symbols can be shown on the pipe marker, depending on the substance and in accordance with the CLP regulation.



**GHS 01**  
Explosives  
Self reactive  
Organic peroxides



**GHS 02**  
Flammable  
Self-reactive  
Pyrophoric liquids & solids  
Self-heating reactive  
Emit flammable gases  
Organic Peroxides



**GHS 03**  
Oxidising



**GHS 04**  
Gases under pressure  
Liquefied gases  
Refrigerated liquefied gases  
Dissolved gases



**GHS 05**  
Corrosive  
Skin corrosion  
Serious eye damage



**GHS 06**  
Acute toxicity



**GHS 07**  
Acute toxicity  
Skin irritation  
Eye irritation  
Skin sensitisation  
Respiratory tract irritation  
Specific Target Organ Toxicity



**GHS 08**  
Respiratory sensitisation  
Germ cell mutagenicity  
Carcinogenicity  
Reproductive toxicity  
Specific Target Organ  
Aspiration hazard



**GHS 09**  
Hazardous to the aquatic environment

## Liquids and fixed materials (Continued)

Legend	GHS Symbols	360° view										
		B360	C360	D360	E360	H360	A360-Y	B360-Y	C360-Y	D360-Y	E360-Y	H360-Y
ACETONE	GHS02, GHS07						314642	314719	314795	314872	314946	315006
ACETONITRILE							314661	314738	314815	314891	314960	315020
ACRYLONITRILE	GHS02, GHS06, GHS08						314643	314720	314796	314873	314947	315007
ALCOHOL	GHS02						314644	314721	314797	314874		
ALLYLAMINE	GHS02, GHS06, GHS09						314662	314739	314816	314892	314961	315021
CHLORINE	GHS03, GHS06, GHS09						314663	314740	314817	314893	314962	315022
CYCLOHEXANE	GHS02, GHS08, GHS07						314645	314722	314798	314875		
DIESEL FUEL		314376	314418	314495	314530	314565						
EFFLUENTS	GHS02						314646	314723	314799	314876		
EMULSION	GHS02						314647	314724	314800	314877		
FLAMMABLE LIQUID	GHS02						314648	314725	314802	314878		
FUEL	GHS02, GHS08						314649	314726	314803	314879	314948	315008
GASOLINE	GHS02, GHS08, GHS09						314650	314727	314804	314880	314949	315009
HEATING FUEL OIL	GHS08						314640	314717	314793	314870	314945	315005
HEAVY FUEL OIL HFO	GHS08						314641	314718	314794	314871		
HYDRAULIC OIL		314380	314422	314499	314534	314569						
ISOPROPYL ALCOHOL	GHS02, GHS07						314651	314728	314805	314881	314950	315010
KEROSENE	GHS02, GHS08						314652	314729	314806	314882	314951	315011
LUBRICATING OIL		314381	314423	314500	314535	314570						
METHANOL	GHS02, GHS06, GHS08						314653	314730	314807	314883	314952	315012
METHYL ACETATE	GHS02, GHS07						314654	314731	314808	314884	314953	315013
OIL		314377	314419	314496	314531	314566						
PROPANOL	GHS02, GHS05, GHS07						314655	314732	314809	314885	314954	315014
RECUPERATED OIL		314378	314420	314497	314532	314567						
SOLUBLE OIL		314379	314421	314498	314533	314568						
TETRAHYDROFURAN	GHS02, GHS07						314656	314733	314810	314886	314955	315015
TOLUENE	GHS02, GHS08, GHS07						314657	314734	314811	314887	314956	315016
TRICHLOROETHYLENE	GHS08, GHS07						314664	314741	314818	314894	314963	315023
TURPENTINE	GHS02, GHS09, GHS08						314658	314735	314812	314888	314957	315017
WHITE SPIRIT	GHS02, GHS09, GHS08						314659	314736	314813	314889	314958	315018
XYLENE							314660	314737	314814	314890	314959	315019



## Dimensions

### Sheet - with tear-off arrow

Pipe Marker Style	Minimum Pipe diameter (mm)	Maximum Pipe diameter (mm)	Height (mm)	Width (mm)
<b>B-7541 Laminated Polyester</b>				
A	0	50	30	115
B	51	100	60	115
C	101	150	90	115
D	151	300	125	160
E	301	500	210	160
H	501	3000	210	240
A-Y	0	50	30	165
B-Y	51	100	60	165
C-Y	101	150	90	165
D-Y	151	300	125	220
E-Y	301	500	210	220
H-Y	501	3000	210	340

### Sheet - 360° View

Pipe Marker Style	Minimum Pipe diameter (mm)	Maximum Pipe diameter (mm)	Height (mm)	Roll Length	Width (mm)
<b>B-7541 Laminated Polyester</b>					
A360	0	50	175		85
B360	51	100	350		85
C360	101	150	500		85
D360	151	300	1000		120
E360	301	500	1700		120
H360	501	3000		30 m	200
A360-Y	0	50	175		135
B360-Y	51	100	350		135
C360-Y	101	150	500		135
D360-Y	151	300	1000		180
E360-Y	301	500	1700		180
H360-Y	501	3000		30 m	300

Style A(360): Single pipe marker with 1 basic ID colour.

Style A(360)-Y: Single pipe marker with 1 basic ID colour + yellow Safety colour.

## Water

Legend	GHS Symbols	Single markers											
		A	B	C	D	E	H	A-Y	B-Y	C-Y	D-Y	E-Y	H-Y
BOILER FEED WATER		314065	314101	314140	314179	314214	314249						
CANAL WATER		314066	314102	314141	314180	314215	314250						
CHILLED WATER		314067	314103	314142	314181	314216	314251						
COOLING WATER RETURN		314068	314104	314143	314182	314217	314252						
COOLING WATER SUPPLY		314069	314105	314144	314183	314218	314253						
DEIONIZED WATER		314070	314106	314145	314184	314219	314254						
DEMINERALISED WATER		314071	314107	314146	314185	314220	314255						
DISTILLED WATER		314072	314108	314147	314186	314221	314256						
DRAIN		314073	314109	314148	314187	314222	314257						
HOT WATER	W017							313746	313820	313894	313968	314042	314329
NON-DRINKING WATER		314076	314112	314151	314190	314225	314260						
OSMOSIS WATER		314077	314113	314152	314191	314226	314261						
POTABLE WATER		314078	314114	314153	314192	314227	314262						
PROCESS WATER		314079	314115	314154	314193	314228	314263						
SEA WATER			314116	314155	314194	314229	314264						
SEA WATER RETURN			314117	314156	314195	314230	314265						
SEA WATER SUPPLY			314118	314157	314196	314231	314266						
SERVICE WATER		314080	314119	314158	314197	314232	314267						
UTILITY WATER RETURN		314081	314120	314159	314198	314233	314268						
UTILITY WATER SUPPLY		314082	314121	314160	314199	314234	314269						
WATER		314083	314122	314161	314200	314235	314270						

Legend	GHS Symbols	360° view											
		A360	B360	C360	D360	E360	H360	A360-Y	B360-Y	C360-Y	D360-Y	E360-Y	H360-Y
BOILER FEED WATER		314352	314388	314430	314507	314542	314553						
CANAL WATER		314353	314389	314431	314508	314543	314554						
CHILLED WATER		314354	314390	314432	314509	314544	314555						
COOLING WATER RETURN		314355	314391	314433	314510	314545	314556						
COOLING WATER SUPPLY		314356	314392	314434	314511	314546	314557						
DEIONIZED WATER		314357	314393	314435	314512	314547	314558						
DEMINERALISED WATER		314358	314394	314436	314513	314548	314559						
DISTILLED WATER		314359	314395	314437	314514	314549	314560						
DRAIN		314360	314396	314438	314515	314550	314561						
HOT WATER	W017							314666	314743	314820	314896	314965	315025
NON-DRINKING WATER		314363	314399	314441	314518	314553	314588						
OSMOSIS WATER		314364	314400	314442	314519	314554	314589						
POTABLE WATER		314365	314404	314443	314520	314555	314590						
PROCESS WATER		314366	314405	314444	314521	314556	314591						
SEA WATER			314406	314445	314522	314557	314592						
SEA WATER RETURN			314407	314446	314523	314558	314593						
SEA WATER SUPPLY			314408	314447	314524	314559	314594						
SERVICE WATER		314367	314409	314448	314525	314560	314595						
UTILITY WATER RETURN		314368	314410	314449	314526	314561	314596						
UTILITY WATER SUPPLY		314369	314411	314450	314527	314562	314597						
WATER		314370	314412	314451	314528	314563	314598						



## Fully customisable prints

We can supply pipe markers in any colour with any print that go beyond restrictive solutions that only show the mandatory safety information.

### Mandatory safety information\*

- flow direction
- GHS/CLP symbols
- pipe contents description

*\*in most national norms & regulations*

### Common efficiency information

- secondary language pipe contents description
- P&ID information
- from source x to destination y
- QR code for electronic recognition

**Additional or other information can be included!**

## Example of a pipe marker design

The diagram shows a rectangular orange pipe marker with the following elements and callouts:

- Flow direction:** A large black arrow pointing to the left.
- Relevant danger symbols:** A diamond-shaped hazard pictogram containing symbols for highly flammable (flame), toxic (skull and crossbones), and corrosive (liquid dripping from test tubes).
- Substance name:** The word "Fluorine" in large black font, with its Arabic equivalent "الفلورين" below it.
- Signal word:** The word "DANGER" in bold black font.
- Source & destination:** The text "B1-9900-A1234 From E-9900 to E9901" is printed in the bottom right corner.
- QR-code:** A square QR code located in the bottom right corner.
- High quality materials:** A callout pointing to the orange background, stating it is indoor, outdoor, or outdoor+ quality for up to 10 years.
- Colours:** A callout pointing to the orange background, stating it is in accordance with local legislation.
- Secondary language:** A callout pointing to the Arabic text, stating it adds a second language for communication.
- Signal word:** A callout pointing to "DANGER", stating it depends on the substance and CLP regulations.
- QR-code:** A callout pointing to the QR code, stating it adds a code that can be scanned for additional information.
- P&ID information:** A callout pointing to the alphanumeric code, stating it adds a custom number for identification.



Contact your Brady distributor to receive a quote for your fully customisable pipe markers

## Directional flow arrow tape

- Use Brady arrow tape to emphasise the directional flow of the pipe contents.
- Available in 3 sizes per standard colour.
- Length: 33.00 m
- Arrows/roll: 1300
- Material: Laminated Polyester



Width	25 mm	50 mm	100 mm
Arrow Size	20 x 7 mm	40 x 12 mm	80 x 14 mm
Colour			
Black on Yellow	275100	275112	275134
White on Green	275101	275113	275125
White on Red	275102	275114	275126
White on Blue	275103	275115	275127
Black on Orange	275104	275116	275128
Black on White	275105	275117	275129
White on Brown	275106	275118	275130
Black on Grey	275107	275119	275131
White on Purple	275108	275120	275132
White on Black	275109	275121	275133

## Pipe banding tape

- By colour coding a pipe you can see at a glance the substance flowing through it.
- Available in 3 sizes per standard colour.
- Length: 33.00 m
- Material: Polyester



Colour	Width		
	25 mm	50 mm	100 mm
Yellow	275200	275212	275224
Green	275201	275213	275225
Red	275202	275214	275226
Blue	275203	275215	275227
Orange	275204	275216	227228
White	275217	275205	275229
Brown	275206	275218	275230
Grey	275207	275219	275231
Purple	275208	275220	275232
Black	275209	275221	275233



## Write-on markers on card

- Can be written on, easily and quickly, using a permanent marker.
- Size width x height: 75.00 mm x 16.00 mm
- Markers per card: 10

Colour	Order Ref.
Black	225354
Blue	225352
Brown	225355
Green	225353
Grey	225356
Ochre	225358
Purple	225357
Red	225351
Yellow	225350



## GHS pictograms on a roll

- Using the right symbols when identifying pipes and packages is a legal requirement.
- To upgrade your current markers to conform to these rules, or to emphasise certain hazards, Brady offer these symbols on a roll.
- Pictograms per roll: 250

Width x Height	Layout	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
50 x 50 mm	Continuous Roll	811681	811686	811691	811696	811716	811721	811701	811711	811706
50 x 50 mm	Individual Markers on a Roll	814032	814033	814034	814035	814039	814040	814036	814038	814037
100 x 100 mm	Continuous Roll	814023	814024	814025	814026	814030	814031	814027	814029	814028
100 x 100 mm	Individual Markers on a Roll	811679	811684	811689	811694	811714	811719	811699	811709	811704



## Valve marking

For a professional and uniform identification of the substances conveyed by pipes and running through valves, Brady offers a wide range of identification tags, from stock or custom made to your specifications.



Contact your Brady distributor for more information.



## Durable plastic tags

- B-418 durable plastic tags have a label area on which you can place your own custom printed label
- The tags are lightweight, non-corrosive, non-conductive, impact resistant and withstand temperatures from -40 °C to 127 °C
- The tag also has rounded corners and a hole punched
- Material: Laminated Polyester on a Plastic Tag
- Label area large tags: 106.60 x 63.50 mm
- Label area small tags: 76.20 x 38.10 mm
- Tags are sold individually



Print your labels using any of the printers in Brady's wide range of sign and label printers.

Learn more about Brady Safety Printers:  
[www.bradyeurope.com/safetyprinters](http://www.bradyeurope.com/safetyprinters)

Order Reference	Description	Colour	Width (mm)	Height (mm)
041921	Blank VIP Tags - Large	● Black	119.38	81.28
041923	Blank VIP Tags - Large	● Yellow	119.38	81.28
041925	Blank VIP Tags - Large	● Red	119.38	81.28
041927	Blank VIP Tags - Large	● Blue	119.38	81.28
041929	Blank VIP Tags - Large	● Green	119.38	81.28
087695	Blank VIP Tags - Large	● Orange	119.38	81.28
087697	Blank VIP Tags - Large	○ White	119.38	81.28
087699	Blank VIP Tags - Large	● Grey	119.38	81.28

Order Reference	Description	Colour	Width (mm)	Height (mm)
041920	Blank VIP Tags - Small	● Black	93.98	55.88
041922	Blank VIP Tags - Small	● Yellow	93.98	55.88
041924	Blank VIP Tags - Small	● Red	93.98	55.88
041926	Blank VIP Tags - Small	● Blue	93.98	55.88
041928	Blank VIP Tags - Small	● Green	93.98	55.88
087694	Blank VIP Tags - Small	● Orange	93.98	55.88
087696	Blank VIP Tags - Small	○ White	93.98	55.88
087698	Blank VIP Tags - Small	● Grey	93.98	55.88

## Continuous stainless steel strapping

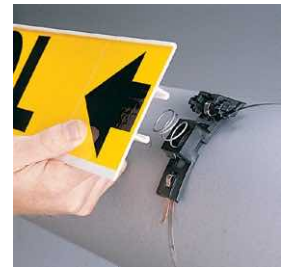


- High quality type 316 stainless steel strapping is highly corrosion and heat resistant
- Ideal for installation of HPHV pipe markers, HEET tags or for your own purpose
- Continuous form requires separate heads for use other than HPHV pipe marker installation

Order Reference	Width (mm)	Length (m)
42331	6.35	30.48 m
42332	6.35	76.20 m

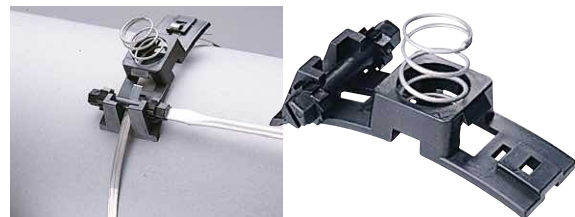
## Blank HPHV carrier

- Ideal for marking custom markers on the spot
- Fibreglass carrier is blank (no label) and comes with two clips for installation



Order Reference	Width (mm)	Height (mm)
59918	812.80	107.95

## Heavy-duty mounting clips



- For use with HPHV pipe markers
- Sold one clip per package

Order Reference	Description
42335	Heavy-duty Mounting Clips



## Tape strip roll

- Use extra Tape Strips to re-secure wrap-around pipe markers should they become damaged, or if markers are moved to a new location
- Sold in continuous rolls

Order Reference	Width (mm)	Length (m)
59946	50.80	27.43 m

## Print your own pipe markers

Safety printers enable you to print durable pipe markers, safety signs and even safe work procedures on-site and on demand. On-site identification printing capabilities eliminate the need to store various pipe markers for future use. With a few consumables, you can print any pipe marker you need, when you need it.

Brady offers specialised thermal transfer and inkjet printers to create mono-, multi and full colour pipe markers and safety signs in various sizes with durable materials for both in- and outdoor use.

Discover our safety printers!



### B-569 high performance polyester

For labelling stainless steel and smooth surfaces

- Recommended for low-halide content for labelling stainless steel pipes and surfaces
- Applies best to very smooth surfaces and ideal for mounting to rigid panels



Do-it-yourself printing for safety & facility identification

Contact your Brady distributor to receive a copy of the "Do-it-yourself printing for safety & facility identification" brochure

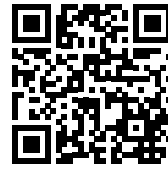
Fast, simple & powerfully versatile. The way label making should be



## BradyPrinter S3100 SIGN & LABEL PRINTER

With the S3100 Sign & Label Printer, you can print a wide range of signs and labels to increase safety and efficiency in any workplace. Safety signs, floor marking, 5S labels, lean labels, labels to identify racks, doors, stairs, bins, desks and chairs and CLP-labels to identify chemicals can all be printed with the S3100 at your location whenever you need them.

- Intuitive built-in features offer ease of use so anyone can walk up and print labels
- Ideal for centralised locations and lean/5S events
- Compatible with powerful Brady Workstation label apps for added versatility
- “Drop in ribbons and labels mean no complicated threading, assembling spindles, sensor adjustment or calibration steps
- You can get on with the job faster, giving you more time for other tasks



Consult the video of the S3100 Sign & Label Printer on [www.bradyeurope.com/S3100](http://www.bradyeurope.com/S3100)



## Brady safety printers online

Surfing [www.bradyeurope.com](http://www.bradyeurope.com) is a simple, efficient and timesaving way to learn more about BRADY products and applications, industry developments, events, promotions, etc.

Visit [www.bradyeurope.com/safetyprinters](http://www.bradyeurope.com/safetyprinters) to find technical data sheets, update your Brady printers and software or quickly register Brady products!



## Quickly identify small volume products

**BBP 35** MULTICOLOUR SIGN & LABEL PRINTER

**BBP 37** MULTICOLOUR & CUT SIGN & LABEL PRINTER

Brady's sign and label printers give you the power to make signs and labels in the colours and shapes you need to make an impact – right at your own facility and right when you need them. With remarkable multicolour printing, versatile shape-cutting capabilities and impressively fast print speeds, you won't remember how you lived without one of these printers.



### Multiple print colours

Print signs and labels that are more noticeable, more memorable and more effective

Colour is the differentiator when you need to effectively improve workplace safety and productivity

### Shape cutting

Revolutionary built-in XY plotter-cutter system in the BBP37 printer (cuts - only selected 101.60 mm materials)

Cut shapes around your messages text and create labels designed to fit your exact specifications

### Label making made easy

Intuitive built-in features offer ease of use so anyone can walk up and print labels

Ideal for multiple users, centralised locations and lean/5S events

Compatible with powerful Brady Workstation Label Apps and Facility Identification Software for added versatility

### Automatic label setup

Printers read critical information from the supply cartridge and then automatically set it up so you can start printing immediately

No more calibration or wasted labels, no print speed/burn temperature trial labels, no scrolling through screens to select a label and no wasted time setting up label dimensions or text size

### 20-second material changeovers

“Drop in” ribbons and labels mean no complicated threading, assembling spindles, sensor adjustment or calibration steps

You can get on with the job faster, giving you more time for other tasks



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23/01/2023

