



## Pipe Marking

Have a clear understanding of what is running through your pipes



## Meet the Regulation Standards!

The Health and Safety (Signs & Signals) Regulations 1996 Part 3 require all employers to identify all pipes within their facility. Several norms exist across Europe, which indicate how pipes should be identified. Pipes transporting dangerous and hazardous substances must be identified with the relevant danger symbol and the name of the hazardous or dangerous substance.

## Safety first!

Unmarked pipes are a danger to both life and property. Accidents, injuries and damage to equipment can be caused by people not knowing what individual pipes contain.

## The economical choice!

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!

The correct identification of pipes ensures a better insight into a building's structure – and gaining such an insight with speed and clarity is of vital importance for emergency services, outside maintenance contractors as well as new employees and temporary staff. It will also make maintenance work easier and prevent time-consuming searches. If an accident does occur, correct identification can help save valuable time - and even lives.



## Regulatory Explanation - GHS & CLP

On the 28th November 2008 the European Council adopted the GHS regulation (Globally Harmonised System). The publication followed on the 31st December 2008 meaning that GHS can now be applied from 21st January 2009

The GHS and CLP (Classification, Labelling and Packaging) addresses classification of chemicals by type of hazards and proposed harmonised hazard communication elements.

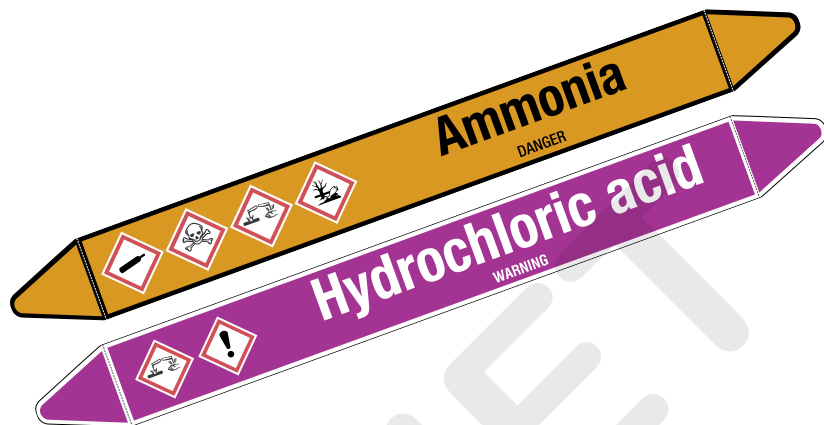
GHS also provides a basis for harmonisation of rules and regulations on chemicals at national, regional and worldwide level, an important factor also for trade facilitation.

For the European Union, the mandatory dates for the implementation are set as follows: Substances from 01/12/2010, Mixtures from 01/06/2015

During the transition period, period between the European Directive and the effective dates mentioned above, both systems are permitted.

These new regulations require companies to reassess their classification and labelling systems.

Be aware that danger symbols have also changed with this new classification, up to 6 danger symbols can be attributed to a single product. In addition, the regulation mentions a signal word (Warning or Danger). For this reason, Brady has redesigned their pipe markers to comply with the new regulations.



## Brady offers you:

### A wide range

Over 300 different standard substances that are available in several sizes and layouts. This standard range covers the most frequently used industrial substances. In the unlikely event that your particular needs are not fulfilled in this range, don't worry: Brady will customise markers to your personal requirements.

### Quality

The self-adhesive markers are made from polyester film, laminated with a crystal clear polyester over-laminate. The overlaminate has a very high resistance to chemicals, ultraviolet rays and extreme weather conditions and ensures your pipemarker will stay in place and remain readable.



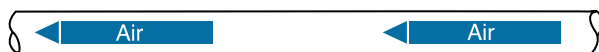


## Maintenance Tip

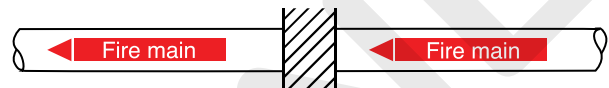
- The Signs & Signals Regulations recommend that markers should be mounted on all visible sides of the pipe, be of durable construction and used in conjunction with pictograms, where recommended.
- The area that the pipe marker is applied to should be clean, dry and free from grease and dirt.



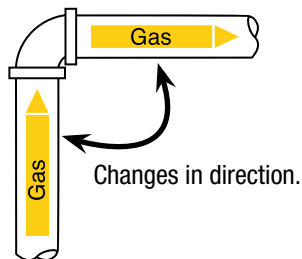
## Where to apply pipe markers?



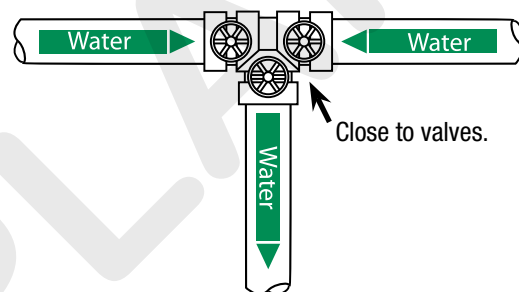
At frequent intervals on straight pipe runs.



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



Changes in direction.



Close to valves.

	Pipe Diameter (mm)	Markers per Roll* (for linerless markers)	Markers per Card/Roll	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

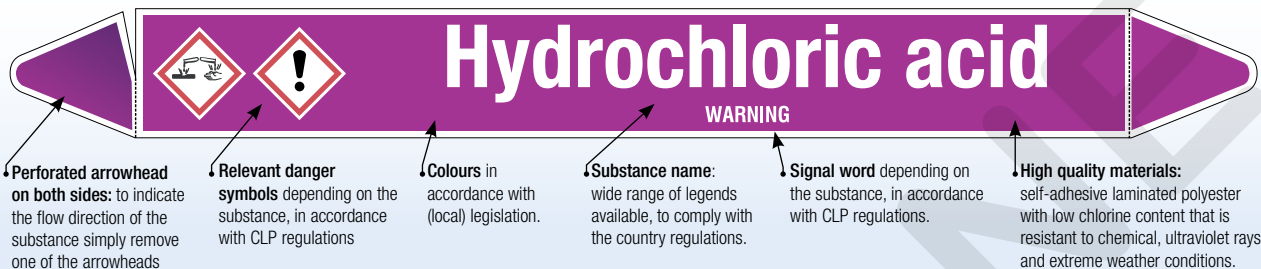




## European Standard Pipe Markers:

- 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.

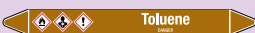

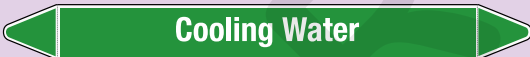

## Brady's individual pipe markers



## INDIVIDUAL PIPE MARKERS ON LINER

- 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.






Type 1	Marker Length	Height	Character Height (mm)	Markers per Card	Pipe Diameter (mm)
	150.00 mm	12 mm	8.00 mm	5	less than 20 mm
	250.00 mm	26 mm	13.30 mm	4	20-49
	355.00 mm	37 mm	16.50 mm	3	50-99
	450.00 mm	52 mm	22.50 mm	2	greater than 100 mm

## LINERLESS PIPE MARKERS

- 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.



Type 1	Marker Length	Height	Character Height (mm)	Markers per Roll*	Pipe Diameter (mm)
	250.00 mm	26 mm	13.30 mm	30	20-49
	355.00 mm	37 mm	16.50 mm	30	50-99
	450.00 mm	52 mm	22.50 mm	30	greater than 100

\* 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.


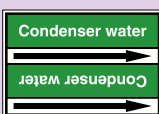



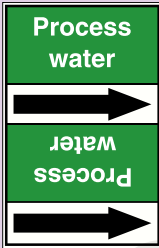


## ROLL FORM PIPE MARKERS

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.

The length of the rolls is always 33 metres.



	Marker Length x Height	Character Height (mm)	Markers per Roll	Pipe Diameter (mm)	GHS Symbols
Roll form pipe markers - Type 2: for pipes under 70 mm in diameter					
 	100.00 mm x 60 mm	8 mm	505	less than 70	without
 	127.00 mm x 60 mm	8.3 mm	505	less than 70	with
Roll form pipe markers - Type 3: for pipes over 70 mm in diameter					
 	100.00 mm x 150 mm	13 mm	220	greater than 70	without
 	127.00 mm x 150 mm	13.3 mm	220	greater than 70	with



### 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

# Pipe Markers (on liner) - Standard legends



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

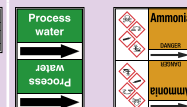


Without Symbols

With Symbols

### Type 3

Pipe diameter > 70 mm



Without Symbols

With Symbols

## Acids and Alkalies

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



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

## 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		267246	
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
Trichloroethylene	GHS08;GHS07	DANGER	N008263	N008264	N008265	N008266		N008267		N008268
Used solvents			N008230	N008231	N008232	N008233	229489		229490	
White Spirit	GHS08	DANGER	N008272	N008273	N008274	N008275		N008276		N008277



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Size - W x H (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	127 x 60	127 x 60	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



**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





# Pipe Markers (on liner) - Standard legends



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	228131		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		
Decarbonized 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



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
		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  
Pyrrophoric 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



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 Alkalies									
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	GHS06;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	GHS05;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.

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

Fire Fighting									
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
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									
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
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



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	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	



**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

# Linerless Pipe Markers - Standard legends



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	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



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	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	

## 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 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 Ochre	275110	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 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	275228
White	275205	275217	275229
Brown	275206	275218	275230
Grey	275207	275219	275231
Violet	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
Red	225351
Violet	225357
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.

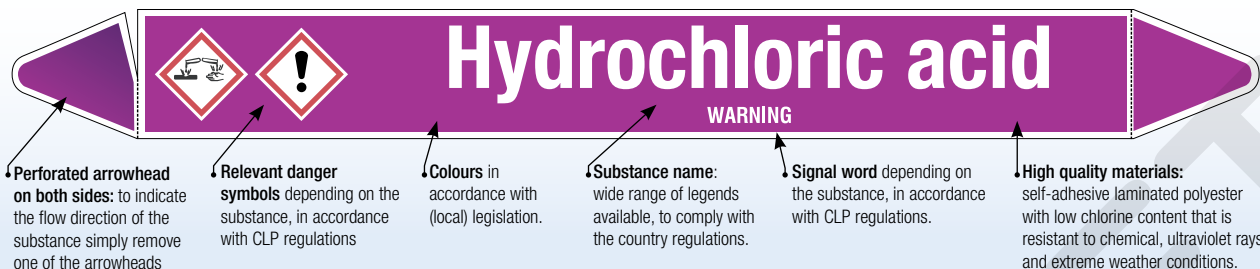


**Contact your Brady Distributor for more information.**

# Custom Pipe Markers For Your Company

Below you will find an overview of Brady's pipe marking solutions. We will create any pipe marker you need, taking into account the regulations and your personal specifications regarding text, signal word, colour, symbol, size, layout and material.

## Overview of elements of a Brady Individual Pipe Marker



## Simply advice your specifications

Specify the legend that needs to be printed on the marker, as well as the signal word, the danger symbols and the colour.

## Colours

Pipes transporting dangerous and hazardous substances must be identified with the relevant colour. Every substance group has a specific colour, depending on local legislation.

	Safety Blue		Black		Silver		Dark Brown
	Safety Yellow		Royal Blue		Ochre		Purple
	Safety Green		Sky Blue		Light Green		Orange
	Safety Red		Magenta		Light Brown		White

This colour chart shows an approximation of the colours. To see the colours of the materials actually used for producing our pipe markers, order the pipe marker colour guide (order number 814062)

## 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.



## High quality materials

Our self-adhesive laminated polyester with low chlorine content is resistant to chemical, ultraviolet rays and extreme weather conditions. The acrylic adhesive has a very low halogen content, making it suitable for use in the nuclear industry.



With liner



Linerless

## Layouts



Individual (Die-cut marker with pre-perforated arrows)  
**TYPE 1**

Roll form pipe markers – **TYPE 2:**  
for pipes under 70 mm in diameter

Roll form pipe markers – **TYPE 3:**  
for pipes over 70 mm in diameter



## Sizes

Our pipe markers are available in the following sizes (width x height in mm):

**Individual Pipe Markers:** 150 x 12\* / 250 x 26 / 355 x 37 / 450 x 52 (\*150 x 12 mm not available in linerless version)

**Roll Form Pipe Markers:** 100 x 60 / 127 x 60 / 100 x 150 / 127 x 150 (size per marker of a continuous roll of 33 metres)

# Fast, Simple & Powerfully Versatile. The Way Label Making Should Be

## JUST WALK UP AND PRINT

So simple, your whole team can use it. Just type and print – it's really that easy.



### BBP™ 31 SIGN & LABEL PRINTER



### B-595 HIGH PERFORMANCE INDOOR/OUTDOOR VINYL

FOR GENERAL FACILITY AND SAFETY IDENTIFICATION:  
OUR BEST INDUSTRIAL VINYL YET

- Durable, low-shrink vinyl with our most aggressive adhesive
- Conforms to irregular, curved, rough and highly textured surfaces (painted cinder blocks, uneven wood, textured plastics, paper-jacketed pipes, powder-coated surfaces)
- Adheres to "difficult" low-surface energy items (PVC piping, blow-moulded equipment cases, ABS plastics, recycled plastics)



Contact your Brady Distributor to receive a copy of  
the BBP31/33 brochure.

# Brady Corporation

Our mission is To Identify and Protect People, Products and Places



## Company Overview

BRADY was founded in 1914 in Eau Claire, Wisconsin, as W.H. BRADY Co., and renamed BRADY Corporation in 1998. The company began selling products internationally in 1947. In 1984, BRADY went public, with stock trading on the Nasdaq Stock Market, and in 1999, moved trading of its stock to the New York Stock Exchange, where it trades under the symbol BRC. The company's global headquarters is in Milwaukee, Wisconsin.

## Brady manufactures and markets:

- products for identification and safety applications such as signs and markers, printing systems and software to produce identification products on-site and on demand
- products for wire identification, including labelling materials and tools for wire and cable marking in the electrical, datacom and telecommunication markets
- high-performance identification products, including labels and signs that remain legible and highly adhesive even in harsh environments
- products that identify people and enhance security by ensuring the right persons are in the right places at the right time

## Operations – Some facts:

- 6500 employees around the world
- Operations in 29 countries
- Distribution in more than 100 countries through more than 4,400 distributor partners



WHEN PERFORMANCE MATTERS MOST™

### BRADY Africa

361 Olympic Duel,  
Northlands Business Park  
Newmarket Road  
Randburg  
Tel: +27 11 704 3295  
Fax: +27 86 501 7775

### BRADY Benelux

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Fax: +32 (0)52 45 78 12

### BRADY Central & Eastern Europe

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### BRADY Denmark

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### BRADY Italy

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### BRADY Middle East FZE

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2007 Kjeller  
Tel: +47 70 13 40 00  
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### BRADY Romania

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Intrarea F, Etajul 1, Birou 1.16,  
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Fax: +40 21 202 3100

### BRADY Russia

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Tel: +7 495 225 93 62

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Fax: +46 (0) 8 590 818 68

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Konaklar Mah. Selvili Sokak  
C13 Blok No.8 Kat:3 Daire:5  
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Tel: +90 212 264 02 20 / 264 02 21  
Fax: +90 212 270 83 19

### BRADY UK & Ireland

Wildmere Industrial Estate  
Banbury, Oxon – OX16 3JU, UK  
Tel: +44 (0) 1295 228 288  
Fax: +44 (0) 1295 228 219

### BRADY WORLDWIDE

Australia	.....612-8717-6300
Brazil	.....55-11-3686-4720
Canada	.....1-800-263-6179
China (Beijing)	.....86-10-6788-7799
China (Shanghai)	.....86-21-6886-3666
China (Wuxi)	.....86-510-528-2222
Hong Kong	.....852-2359-3149
Japan	.....81-45-461-3600
Korea	.....82-31-451-6600
Latin America	.....1-414-540-5560
Malaysia	.....60-4-646-2700
Mexico	.....525-399-6963
New Zealand	.....61-2-8717-2200
Philippines	.....63-2-658-2077
Singapore	.....65-6477-7261
Taiwan	.....886-3-327-7788
Thailand	.....66-2-793-9200
USA	.....1-800-537-8791

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