



GLOBAL HARMONIZATION STANDARD FOR PIPE LABELING



CRAFTMARK
PIPE MARKERS SINCE 1959
www.CraftmarkID.com

Description Pictogram Hazard class and hazard category

| | | |
|---|---|---|
| Exploding Bomb GHS 1 |  | Unstable explosives Explosives of Divisions 1.1, 1.2, 1.3, 1.4 Self reactive substances and mixtures, Types A,B Organic peroxides, Types A,B |
| Flame GHS 2 |  | Flammable gases, category 1 Flammable aerosols, categories 1,2 Flammable liquids, categories 1,2,3 Flammable solids, categories 1,2 Self-reactive substances and mixtures, Types B,C,D,E,F Pyrophoric liquids, category 1 Pyrophoric solids, category 1 Self-heating substances and mixtures, categories 1,2 Substances and mixtures, which in contact with water, emit flammable gases, categories 1,2,3 Organic peroxides, Types B,C,D,E,F |
| Flame Over Circle GHS 3 |  | Oxidizing gases, category 1 Oxidizing liquids, categories 1,2,3 |
| Gas Cylinder GHS 4 |  | Gases under pressure: - Compressed gases - Liquefied gases - Refrigerated liquefied gases - Dissolved gases |
| Corrosion GHS 5 |  | Corrosive to metals, category 1 Skin corrosion, categories 1A,1B,1C Serious eye damage, category 1 |
| Skull & Crossbones GHS 6 |  | Acute toxicity (oral, dermal, inhalation), categories 1,2,3 |
| Exclamation Mark GHS 7 |  | Acute toxicity (oral, dermal, inhalation), category 4 Skin irritation, category 2 Eye irritation, category 2 Skin sensitisation, category 1 Specific Target Organ Toxicity – Single exposure, category 3 |
| Health Hazard GHS 8 |  | Respiratory sensitization, category 1 Germ cell mutagenicity, categories 1A,1B,2 Carcinogenicity, categories 1A,1B,2 Reproductive toxicity, categories 1A,1B,2 Specific Target Organ Toxicity – Single exposure, categories 1,2 Specific Target Organ Toxicity – Repeated exposure, categories 1,2 Aspiration Hazard, category 1 |
| Environment GHS 9 |  | Hazardous to the aquatic environment - Acute hazard, category 1 - Chronic hazard, categories 1,2 |

WHAT IT MEANS...

Globally Harmonized System of Classification and Labeling of Chemicals

Chemicals, through the different steps from their production to their handling, transport and use, are a real danger for human health and the environment. Employees and workers, using many different languages and alphabets are confronted daily with these dangerous chemicals.

To face this danger, and given the reality of the extensive global trade in chemicals and the need to develop national programs to ensure their safe use, transport and disposal, it was recognized that an internationally-harmonized approach to classification and labeling would provide the foundation for such programs. Once countries have consistent and appropriate information on chemicals they import or produce in their own countries, the infrastructure to control chemical exposures and protect people and the environment can be established in a comprehensive manner.

The new system, which was called “Globally Harmonized System of Classification and Labeling of Chemicals (GHS)”, addresses classification of chemicals by types of hazards and proposes harmonized hazard communication elements, including labels and pipe markers. On the 28th of November 2008 the European Council adopted the GHS regulation. The publication followed on the 31st of December 2008 meaning that GHS can now be applied from the 21st of January 2009.

ASME (ANSI) A13.1-2020 states “The applicable GHS pictogram as illustrated may be included ...” “Where piping is connected to containers that are labeled in accordance with GHS requirements, a corresponding label on piping may be provided” Craftmark has full line of GHS pictogram roll tapes and individual labels for use on piping.

GHS Symbol Tape



- Durable self-stick Vinyl with overlamination for added resistance to dirt, fading and moisture!
- Available in 9 pictograms and in 3 sizes.
- 30 foot long rolls are great for marking piping and containers.
- Helps meet ASME (ANSI) A13.1-2020 standards for marking piping systems.

| PICTOGRAM | ROLL SIZE | | | A |
|--------------------|-----------|---------|---------|---|
| | 1" | 2" | 4" | |
| GHS-1 | 23775 | 23784 | 23793 | |
| GHS-2 | 23776 | 23785 | 23794 | |
| GHS-3 | 23777 | 23786 | 23795 | |
| GHS-4 | 23778 | 23787 | 23796 | |
| GHS-5 | 23779 | 23788 | 23797 | |
| GHS-6 | 23780 | 23789 | 23798 | |
| GHS-7 | 23781 | 23790 | 23799 | |
| GHS-8 | 23782 | 23791 | 23800 | |
| GHS-9 | 23783 | 23792 | 23801 | |
| PRICE PER 30' ROLL | \$8.00 | \$13.75 | \$27.00 | |

GHS Symbol Decals



- Durable self-stick Vinyl with overlamination for added resistance to dirt, fading and moisture!
- Available in 9 pictograms and in 3 sizes.
- Individual decals are liner mounted for quick and easy application to piping and containers.
- Helps meet ASME (ANSI) A13.1-2020 standards for marking piping systems.

| PICTOGRAM | SIZE | | | A |
|----------------|---------|---------|---------|---|
| | 1" X 1" | 2" X 2" | 4" X 4" | |
| GHS-1 | 23802 | 23811 | 23820 | |
| GHS-2 | 23803 | 23812 | 23821 | |
| GHS-3 | 23804 | 23813 | 23822 | |
| GHS-4 | 23805 | 23814 | 23823 | |
| GHS-5 | 23806 | 23815 | 23824 | |
| GHS-6 | 23807 | 23816 | 23825 | |
| GHS-7 | 23808 | 23817 | 23826 | |
| GHS-8 | 23809 | 23818 | 23827 | |
| GHS-9 | 23810 | 23819 | 23828 | |
| PRICE PER EACH | \$.10 | \$.22 | \$.45 | |



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