

Work **Safe!** Bulletin

IDENTIFYING FIXED PIPING SYSTEMS

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The identification of pipelines in a workplace is important. This bulletin responds to the requirement for a piping identification system according to Manitoba Regulation 52/88 (WHMIS) and CAN/CGSB-24.3-92.

WHAT COLOUR DO WE PAINT OUR PIPES?

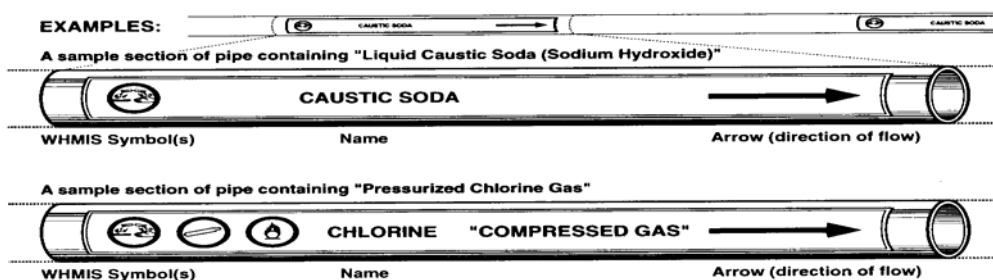
The colour of the pipe is determined by its contents. If the product is hazardous the colour is yellow. If it is not hazardous and not a fire protection material the pipe should be painted green. All fire protection piping should be painted red. To recap:

Hazardous	Yellow
Low Hazard	Green
Fire Protection	Red

WHAT OTHER INFORMATION SHOULD BE DISPLAYED ON A PIPE?

A legend and a WHMIS symbol should appear on the pipe. The legend identifies the name of the material contained in the pipe. It also shows the direction of flow of the material and whether it is under pressure, hot, electrical, etc. WHMIS symbols are the pictorials. In other words, it is a picture of potential dangers. WHMIS pictograms are a universal language. If someone can not speak or read English or French, they could determine that a danger is present.

PICTOGRAM(S) + LEGEND = PIPE IDENTIFICATION INFORMATION

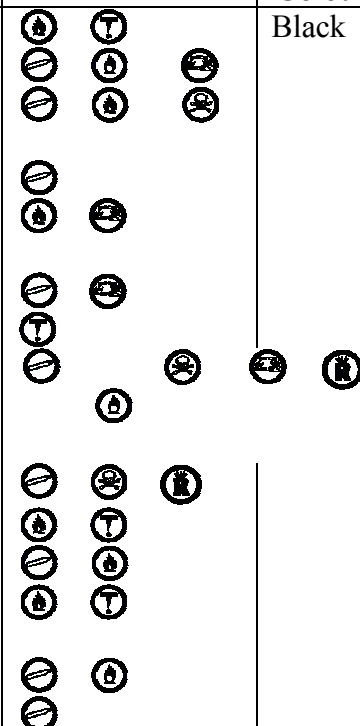



A PIPE CONTAINING "LIQUID CAUSTIC SODA (SODIUM HYDROXIDE)"

EXAMPLES OF THE IDENTIFICATION OF MATERIALS:

The following are just a few sample pictograms for hazardous materials in yellow coloured pipes: A more complete list (in printed bulletin form) is available from the Workplace Safety and Health Branch.

EXAMPLES OF THE IDENTIFICATION OF MATERIALS:

Material Category	Pipe Colour	Legend	Legend Colour	Pictogram	Pictogram Colour
Hazardous	Yellow	Gasoline Chlorine Hydrogen Sulfide Nitrogen (Gas) Acetic Acid Ammonia Benzyl Alcohol Fluorine Diazomethane Ethanol Methane Methyl Ethyl Ketone Oxygen Compressed Air	Black		Black
Low Hazard	Green	Water (Drinking) Hydraulic Oil Boric Acid	White		White
Fire Protection	Red	Water Halon 1301 Carbon Dioxide	White		White