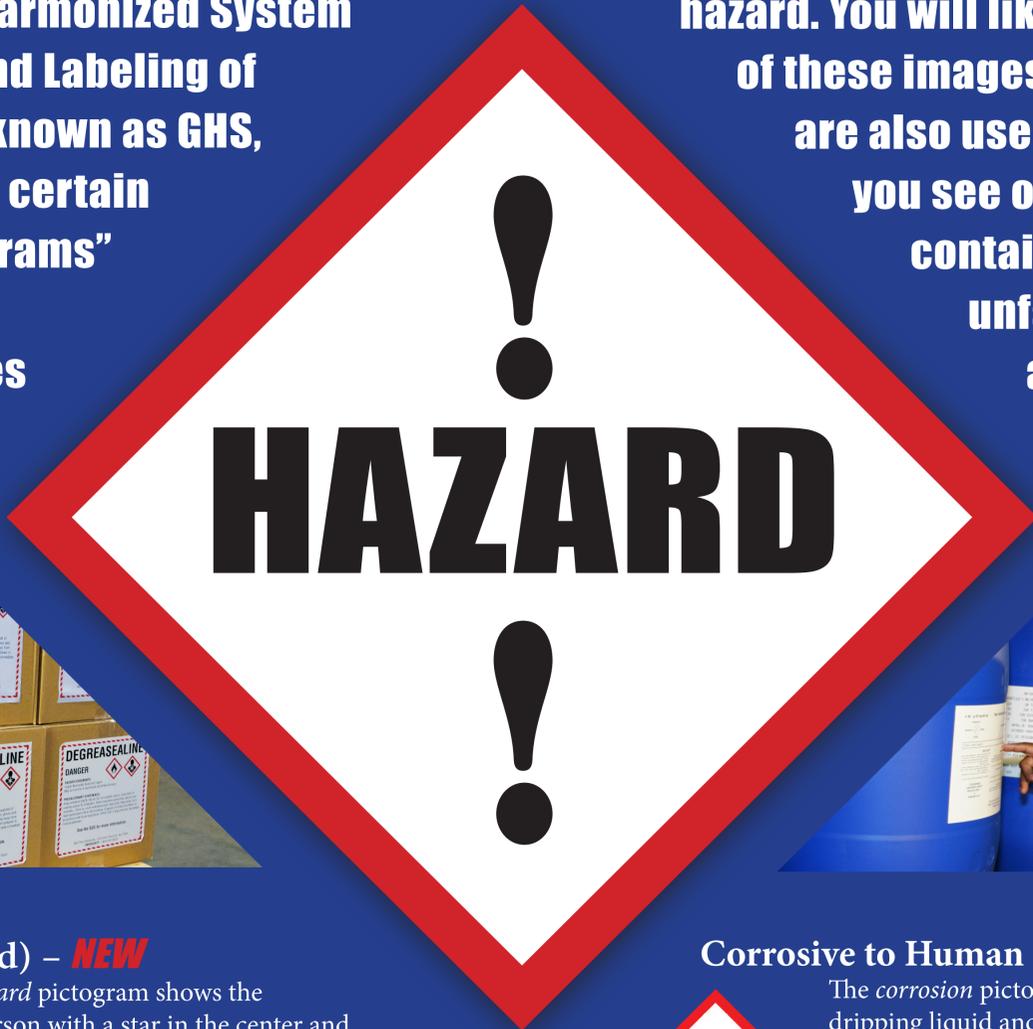


# GHS & PICTOGRAMS

The new Globally Harmonized System of Classification and Labeling of Chemicals, better known as GHS, requires the use of certain symbols or “pictograms” on labels. Each pictogram indicates a different

hazard. You will likely recognize some of these images, since they are also used on the placards you see on intermodal containers. Others will be unfamiliar and they are marked as “NEW” below.



## Chronic (Health Hazard) – **NEW**



The *health hazard* pictogram shows the outline of a person with a star in the center and applies to chemicals with one of these characteristics:

- carcinogen
- mutagenicity
- reproductive toxicity
- respiratory sensitizer
- target organ toxicity
- aspiration toxicity.

## Corrosive to Human Tissue (Corrosion)



The *corrosion* pictogram shows two test tubes, one dripping liquid and eating into a solid surface and the other dripping liquid and eating into a human hand. This pictogram applies to chemicals that may:

- corrode the skin
- burn the skin
- cause eye damage
- corrode metals.

## Flammable (Flame)



The *flame* pictogram shows the symbol of fire in the center and applies to chemicals with one of these characteristics:

- flammable
- pyrophoric
- self-heating
- emits flammable gas
- self-reactive
- organic peroxide.

## Explosive (Exploding Bomb)



The *exploding bomb* pictogram shows a ball in the center that is broken with lines bursting out. This pictogram applies to chemicals that are:

- explosive
- self-reactive
- organic peroxides.

## Irritant (Exclamation Mark)– **NEW**



The *exclamation mark* pictogram shows an exclamation mark in the center and applies to chemicals with one of these characteristics:

- irritant
- skin sensitizer
- acute toxicity
- narcotic effects
- respiratory tract irritant
- hazardous to the ozone layer.

## Oxidizer (Flame Over Circle)



The *flame over circle* pictogram literally shows a flame emitting above a circle and applies to chemicals that are oxidizers.

## Gas Under Pressure (Gas Cylinder)



The *gas cylinder* pictogram shows a gas tank in the center and applies to chemicals that are gases under pressure.

## Acute (Skull and Crossbones)



The *skull and crossbones* pictogram literally shows a skull and crossbones image in the center and applies to chemicals having acute toxicity, being fatal or just toxic.



## Environment – **NEW**

The *environment* pictogram, which is not mandatory, shows a bare tree and a body of water with a fish upside down. This pictogram applies to chemicals having aquatic toxicity.



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