



# Globally Harmonized System

International Union of  
Operating Engineers National  
Training Fund



# Training Developed

- **4-hour stand-alone**
  - Taught as part of HAZWOPER Train-the-Trainer
- **40-hour HAZWOPER**
- **1-hour module**
  - 8-hour HAZWOPER Refresher
  - 10- or 30-hour OSHA Construction
  - 10- or 30-hour OSHA General Industry



**HAZCOM** Globally Harmonized System  
of Classification and Labeling of Chemicals  
**PICTOGRAMS**

**Physical, Health and Environmental Hazards**

**Physical Hazards**

- Flame Over Circle**
  - Outdoors
- Explosion**
  - Explosives
  - Self-Reactives
  - Organic Peroxides
- Corrosion**
  - Corrosive to Metals
- Gas Cylinder**
  - Gas Under Pressure
- Flame**
  - Flammables
  - Pyrophorics
  - Emits Flammable Gas
  - Self-Reactives
  - Self-Heating
  - Organic Peroxides

**Health Hazards**

- Health Hazard**
  - Carcinogen
  - Reproductive Toxicity
  - Respiratory Sensitizer
  - Skull and Crossbones
  - Acute Toxicity (Fatal or Toxic)
  - Mutagenicity
  - Target Organ Toxicity
  - Aspiration
- Corrosion**
  - Eye Damage
  - Skin Corrosion/Burns
- Exclamation Point**
  - Irritant (skin and eye) Effects
  - Acute Toxicity
  - Self-Heating
  - Respiratory Tract Irritant
  - Hazardous to Ozone Layer (Non-Mandatory)
  - Narcotic Effects
  - Skin Sensitizer
  - Respiratory Tract Irritant
  - Hazardous to Ozone Layer (Non-Mandatory)

**Environmental Hazards**

- Environment (Non-Mandatory)**
  - Aquatic Toxicity

For more information, please refer to 29 CFR 1910.1200 for the full standard or visit our website at [www.iuohazmat.org](http://www.iuohazmat.org).

Source: OSHA Quick Card (revised 04/11) 3/11/2012

**HAZCOM**  
Pocket Guide

**Right to Know  
Your Right to Understand**

**HCS 2012  
GHS**

M-111-2012

IUOE National Training Fund  
National HAZMAT Program

**HAZCOM**  
Hazard Communication

**29 CFR 1910.1200**  
Appendix A, B, C, D, E

M-082-2012

Name: \_\_\_\_\_

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HCS 2012 - GHS

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Flame	Exclamation Mark	Health Hazard
Flammables	Irritant (skin and eye)	Carcinogen
Pyrophorics	Skin Sensitizer	Mutagenicity
Self-Heating	Acute Toxicity	Reproductive Toxicity
Emits Flammable Gas	Narcotic Effects	Respiratory Sensitizer
Self-Reactives	Respiratory Tract Irritant	Target Organ Toxicity
Organic Peroxides	Hazardous to Ozone Layer (Non-Mandatory)	Aspiration Toxicity

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**HAZCOM**  
HCS 2012 - GHS  
Instructor Guide

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# Why use pictograms?

What does this mean to you?



Do you read every **STOP** sign you see?



The **Flame** pictogram looks like this and warns of:



- Flammables
- Pyrophorics
- Self-heating
- Emits flammable gas
- Self-reactives
- Organic peroxides



The **Exclamation Mark** pictogram looks like this and warns of:



- Irritant
- Dermal sensitizer
- Acute toxicity
- Narcotic effects
- Respiratory tract irritant
- Hazardous to ozone layer  
(non mandatory)



The **Gas Cylinder** pictogram looks like this and warns of gases under pressure





The **Corrosion** pictogram looks like this and warns of:



- Skin corrosion/ burns
- Eye damage
- Corrosive to metals



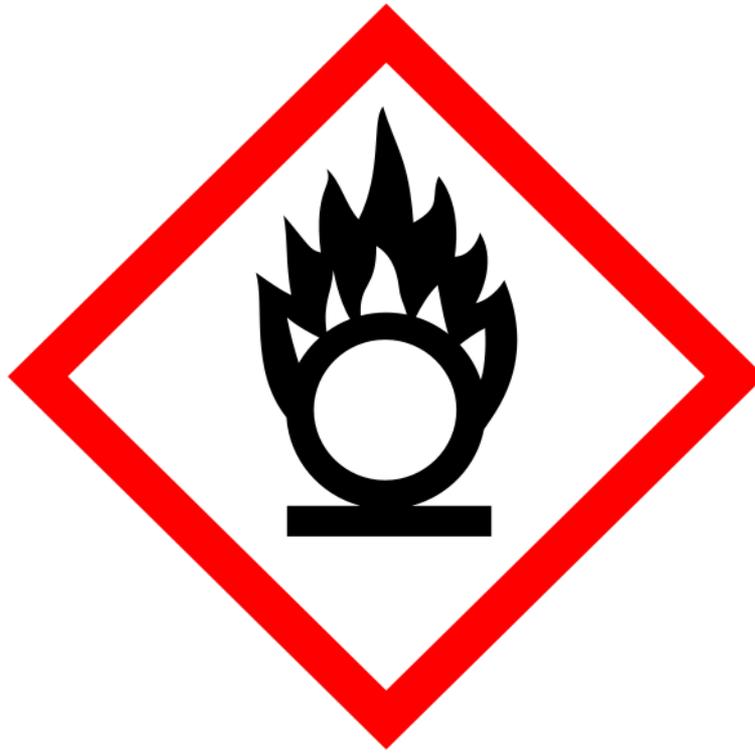
The **Exploding Bomb** pictogram looks like this and warns of:



- Explosives
- Self-reactive
- Organic peroxides



The **Flame over a Circle** pictogram looks like this and warns of oxidizers





# The **Skull and Crossbones**

pictogram looks like this and warns of acute toxicity

