GLOBALLY HARMONIZED
A SYSTEM FOR HAZARD COMMUNICATION

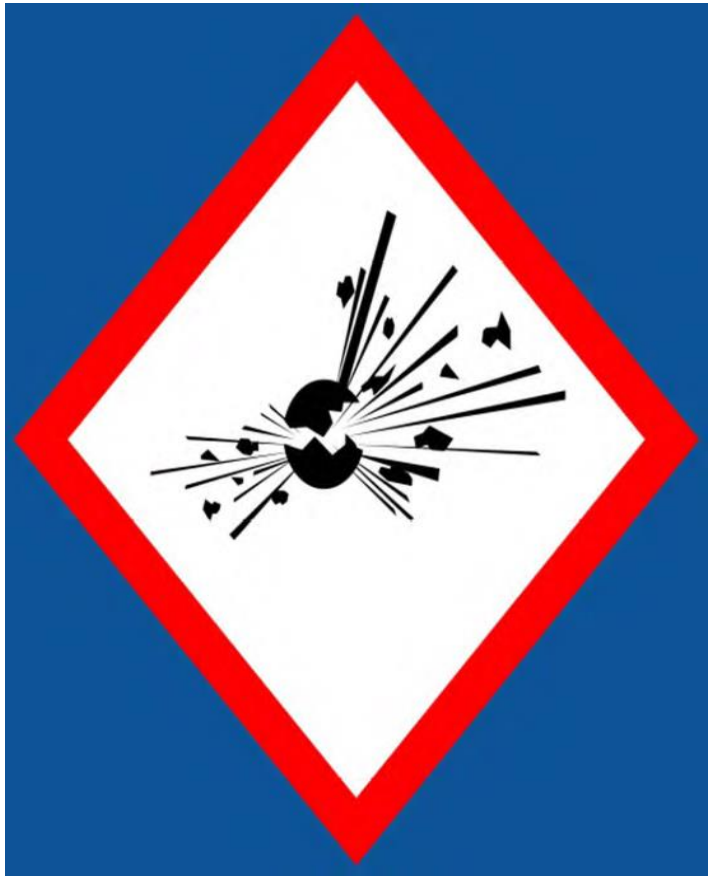
MANDATED OSHA TRAINING

– GHS –
GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS

- The Globally Harmonized System of Classification and Labelling of Chemicals (GHS) is a worldwide initiative to promote standard criteria for classifying chemicals according to their health, physical and environmental hazards.
- The GHS includes criteria for specifying what information should be included on labels of hazardous chemicals as well as safety data sheets (SDS).
- In 2003, the United Nations (UN) adopted the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).
- The GHS uses pictograms, hazard statements, and the signal words "Danger" and "Warning" to communicate hazard information on product labels and safety data sheets in a logical and comprehensive way.
- The primary goal of GHS is better protection of human health and the environment by providing chemical users and handlers, emergency first responders and the public with enhanced and consistent information on chemical hazards.
- This system ensures that if a material is considered toxic in China, then it was also be so in the USA, Europe and elsewhere around the globe.

– GHS –
PICTOGRAMS

EXPLODING BOMB



Used to indicate :

- Explosives
- Self-reactive substances
- Organic peroxides

FLAME

Used to indicate :

- Flammables
- Emits flammable gas
- Self-reactive substances
- Pyrophoric
- Self-heating substances
- Organic peroxides

FLAME OVER CIRCLE

Used to indicate :

- Oxidizers

GAS CYLINDER

Used to indicate :

- Gases under pressure

CORROSION

Used to indicate :

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

SKULL & CROSSBONES

Used to indicate :

- Acute toxicity (fatal or toxic)

EXCLAMATION MARK

Used to indicate :

- Acute toxicity
- Irritant (skin & eyes)
- Skin sensitizer
- Narcotic effects
- Respiratory tract irritant
- Hazard to ozone layer

HEALTH HAZARD

Used to indicate :

- Carcinogen
- Mutagen
- Reproductive toxicity
- Respiratory sensitizer
- Target organ toxicity
- Aspiration hazard

SIGNAL WORDS

The signal word indicates the relative danger or severity of a hazard.

The signal words used in GHS are

DANGER

Used for the more severe hazards

WARNING

Used for the less severe hazards

STATEMENTS

HAZARD STATEMENT

A statement assigned to a hazard class and category that describes the nature of the hazard(s) of a chemical; including, where appropriate, the degree of hazards.

Example Hazard Statements:

- Fatal if swallowed
- Toxic if swallowed
- May be harmful if swallowed
- Highly flammable liquid & vapor

PRECAUTIONARY STATEMENTS

A phrase that describes recommended measure to be taken to minimize or prevent adverse effect resulting from exposure to a hazardous chemical or improper storage / handling.

Example Precautionary Statements:

- Wear protective gloves
- Wear splash protection for face
- Keep away from heat / sparks /open flame
- Use explosion-proof electrical equipment

Example Label: GHS Inner Container Labe (i.e.bottle inside shipping box)

ToxiFlam (Contains: XYZ)
Danger! Toxic If Swallowed, Flammable Liquid and Vapor

Do not eat, drink or use tobacco when using this product. Wash hands thoroughly after handling. Keep container tightly closed. Keep away from heat/sparks/open flame. - No smoking. Wear protective gloves and eye/face protection. Ground container and receiving equipment. Use explosion-proof electrical equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Store in cool/well-ventilated place.

IF SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician. Rinse mouth.
In case of fire, use water fog, dry chemical, CO2, or "alcohol" foam.

See Safety Data Sheet for further details regarding safe use of this product.
MyCompany, MyStreet, MyTown NJ 00000, Tel: 444 999 9999

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ToxiFlam (Contains: XYZ)

Signal Word

Danger!

Hazard Statement

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