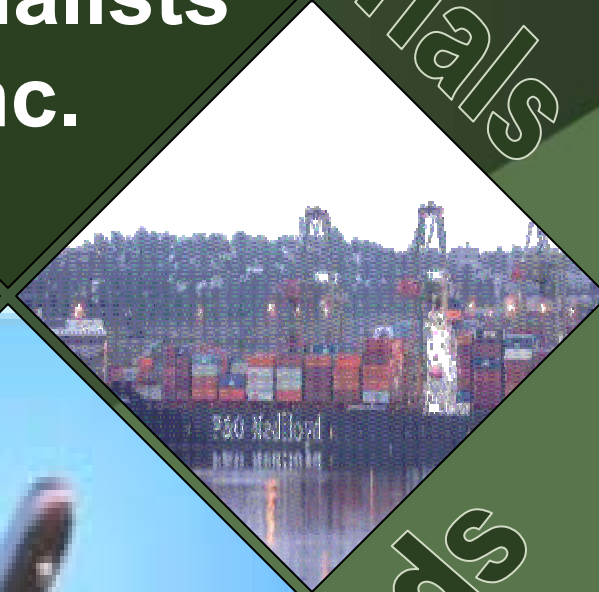


**Hazardous**

**Materials**

**Safety  
Specialists  
Inc.**



**Dangerous**

**Goods**



Safety  
Specialists  
Inc.

# Ken Holloway

Safety Specialists, Inc.

Charlotte, NC

The logo for Safety Specialists Inc. is a black diamond shape with a white border. Inside the diamond, the text "Safety Specialists Inc." is written in a white, sans-serif font, arranged in three lines: "Safety" on the top line, "Specialists" on the middle line, and "Inc." on the bottom line.

Safety  
Specialists  
Inc.

# The Globally Harmonized System (GHS) for Hazard Classification and Labelling

Development of a Worldwide System for Hazard Communication

# What is the GHS?

- A common and coherent approach to defining and classifying hazards, and communicating information on labels and safety data sheets.
- Target audiences include workers, consumers, transport workers, and emergency responders.
- Provides the underlying infrastructure for establishment of national, comprehensive chemical safety programs.

# Why is the GHS needed?

- No country has the ability to identify and specifically regulate every hazardous chemical product.
- For example, in the United States, there are an estimated 650,000 such products.

# Benefits of Harmonization

Countries, international organizations, chemical producers and users of chemicals all benefit.

- Enhance protection of humans and environment.
- Facilitate international trade in chemicals.
- Reduce need for testing and evaluation.
- Assist countries and international organizations to ensure the sound management of chemicals.

# Major Existing Systems

- UN Transport Recommendations
- European Union (EU) Directives on Substances and Preparations
- Canadian Requirements for Workplace, Consumers and Pesticides
- US Requirements for Workplace, Consumers and Pesticides

# Principles of Harmonization

- (hazards) of chemicals.
- Protections will not be reduced; comprehensibility will be key.
- All types of chemicals will be covered; will be based on intrinsic properties
- All systems will have to be changed.

# The Scope of the GHS

- Covers all hazardous chemical substances, dilute solutions, and mixtures.
- Pharmaceuticals, food additives, cosmetics and pesticide residues in food will not be covered at the point of intentional intake, but will be covered where workers may be exposed, and in transport.

# Physical Hazards

- Definitions, test methods and classification criteria for transport were used as a basis for the work since they were already harmonized in the current UN Orange books.
- Based on existing requirements, changes were made to address needs of other sectors.

# Comprehensibility

## Guiding principles:

- Information should be conveyed in more than one way.
- The comprehensibility of the components of the system should take account of existing studies and evidence gained from testing.
- The phrases used to indicate the degree (severity) of hazard should be consistent across different hazard types.

# Pictogram Shape and Colour

- For transport, pictograms will have the background and symbol colours currently used.
- For other sectors, pictograms will have a black symbol on a white background with a red diamond frame. A black frame may be used for shipments within one country.
- Where a transport pictogram appears, the GHS pictogram for the same hazard should not appear.

# GHS Pictograms



**Thank You**

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**<http://www.hazmathelp.com>**

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