Global Harmonization System

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Global Harmonization System (GHS)

What is the Global Harmonization System?

It is a standardized template for labeling of products moving in trade between states **and** other countries
by the implementation of
a system through which chemical hazards are identified and communicated
to all (internationally)
who could be potentially exposed.

GHS

The Globally Harmonized System of Classification and Labeling of Chemicals

In other words – International Standardization

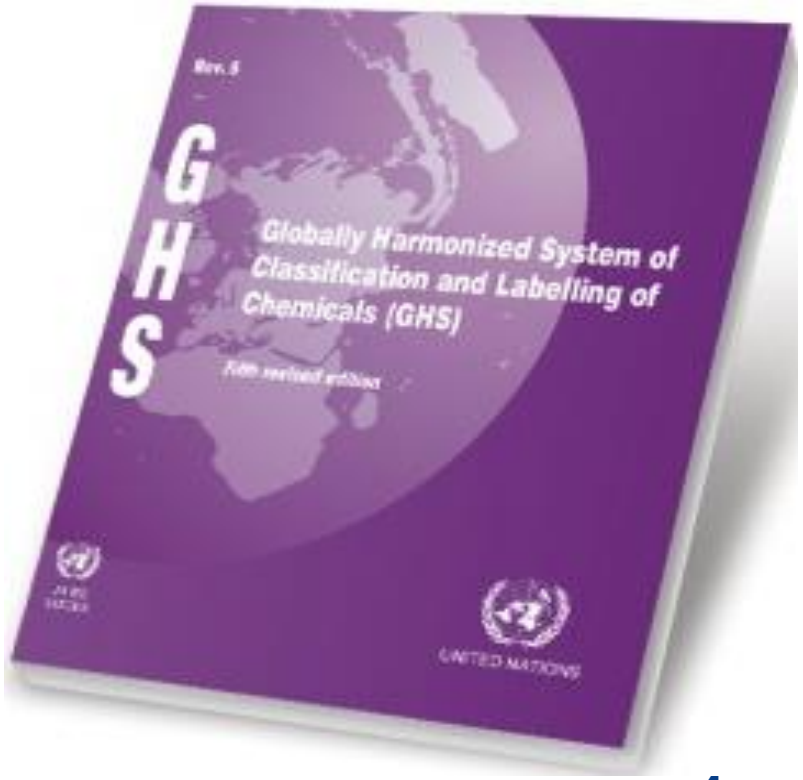
It is an international standard MSDS/labeling system, adopted by Fed OSHA, for chemical products that move internationally so as to identify their chemical hazards and communicate it to all who could be exposed to them

Global Harmonization System (GHS)

Globally Harmonized System
GHS

FED OSHA is the Lead Agency

On their Website you can find the GHS Document (a.k.a. "Purple Book")



Global Harmonization System (GHS)

What has changed?

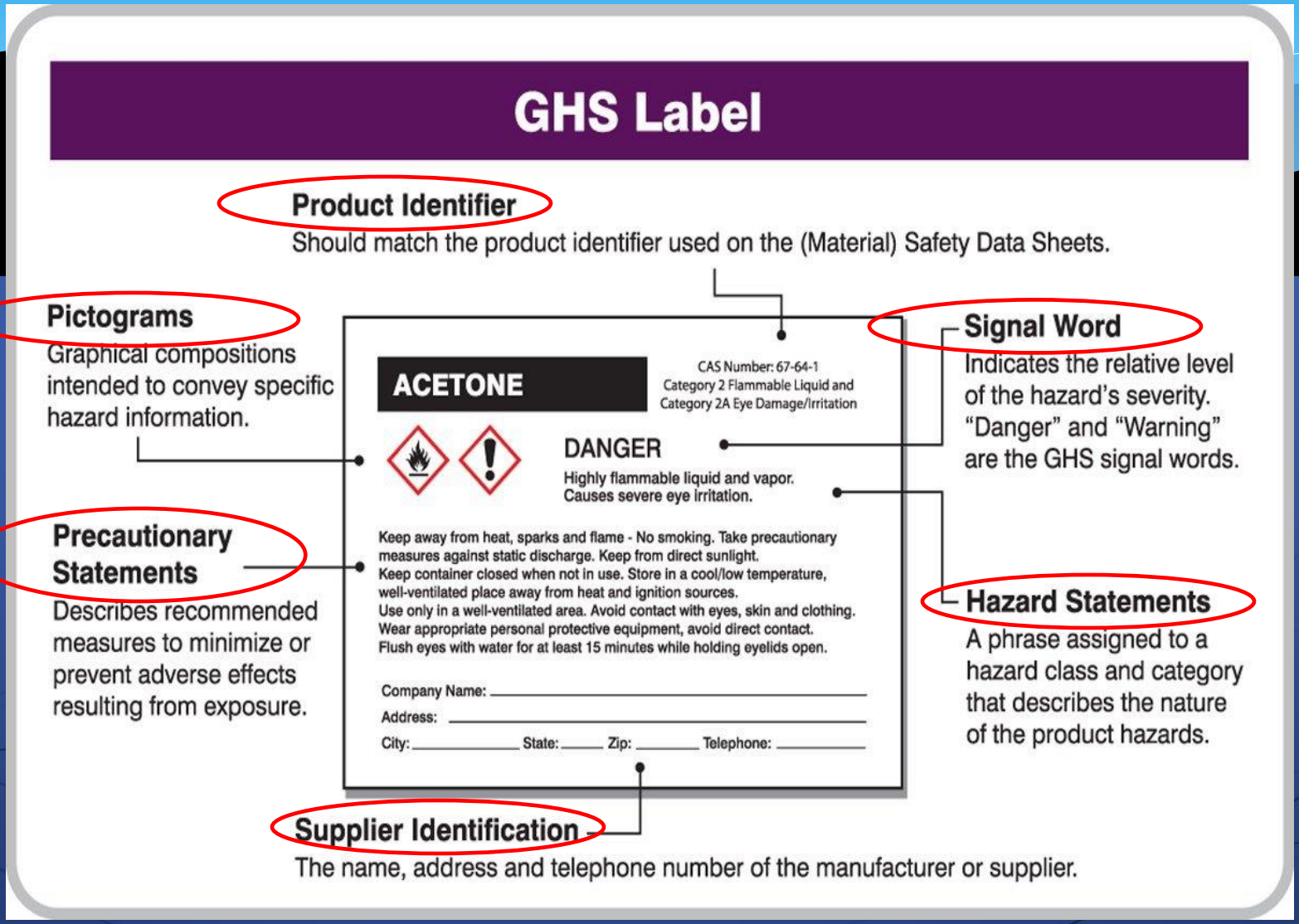
CURRENT		GHS
Material Safety Data Sheet **MSDS**	→	**SDS** Safety Data Sheet
3 Signal Words	→	2 Signal Words
Current Pictograms	→	New Pictograms

and

Specified Precautionary and Hazardous statements

Global Harmonization System (GHS)

A Non –Pesticide GHS label



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What about pesticide labels?

Federally registered pesticide labels must comply with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Some pesticide registrants may decide, in the future, to revise some labels to include GHS elements.

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These 9 pictograms will be on the SDS and labels.

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Each pictograms conveys a universal message.

CORROSION

- Skin Corrosion/Burns
- Eye Damage
- Corrosive to Metals

EXCLAMATION MARK

- Irritant (skin and eye)
- Skin Sensitizer
- Acute Toxicity
- Narcotic Effects
- Respiratory Tract Irritant
- Hazardous to Ozone Layer (Non-Mandatory)

EXPLODING BOMB

- Explosives
- Self-Reactives
- Organic Peroxides

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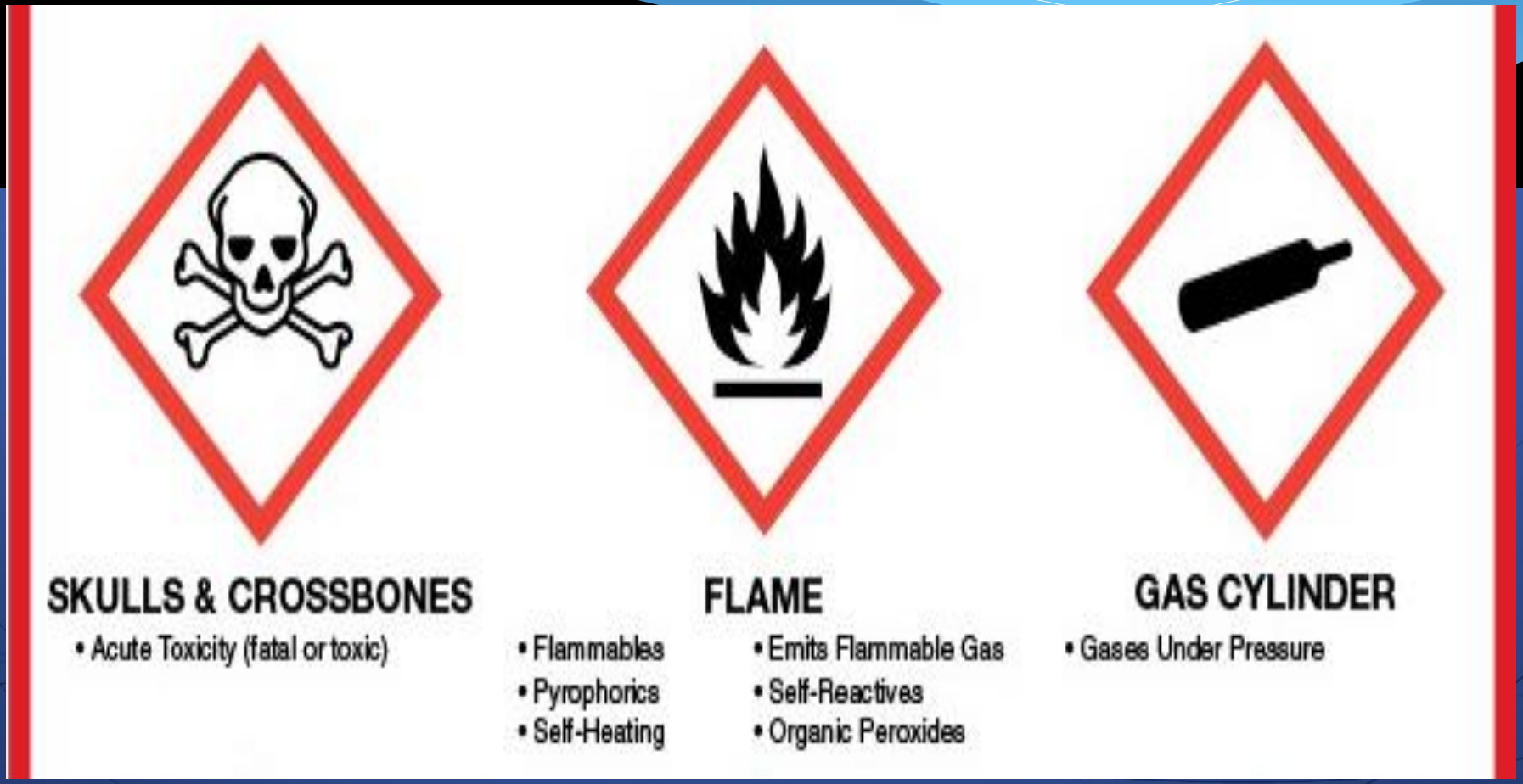
Each pictograms conveys a universal message.



Global Harmonization System (GHS)

Each pictograms conveys a universal message.

Global Harmonization System (GHS)

The SDS of pesticides are not exempt from OSHA

Per USEPA's PR Notice 2012-1:

Pesticide Registrants are in the process of developing revised pesticide SDS for GHS compliance between 2013-2015.

(SDS's for all hazardous chemicals in OSHA jurisdiction… and EPA-DPR registered pesticides)

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What should I do with a the new SDS? …and why?

…When pesticide suppliers replace MSDS with SDS, employers need to obtain the new SDS and maintain it for the pesticides they use.

BECAUSE…

SDS are part of the requirements for California's pesticide hazard communication regulations 6723(b)(3) and 6761(b)(2).

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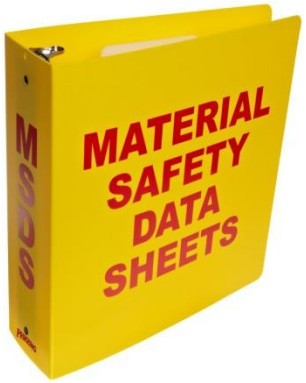
What does Handler (6723) and Fieldworker (6761) Communication state regarding the MSDS/SDS?

The employer must maintain and make available, upon request, to the employee, his representative, or his physician the MSDS/SDS for each pesticide listed on the employer's use records.



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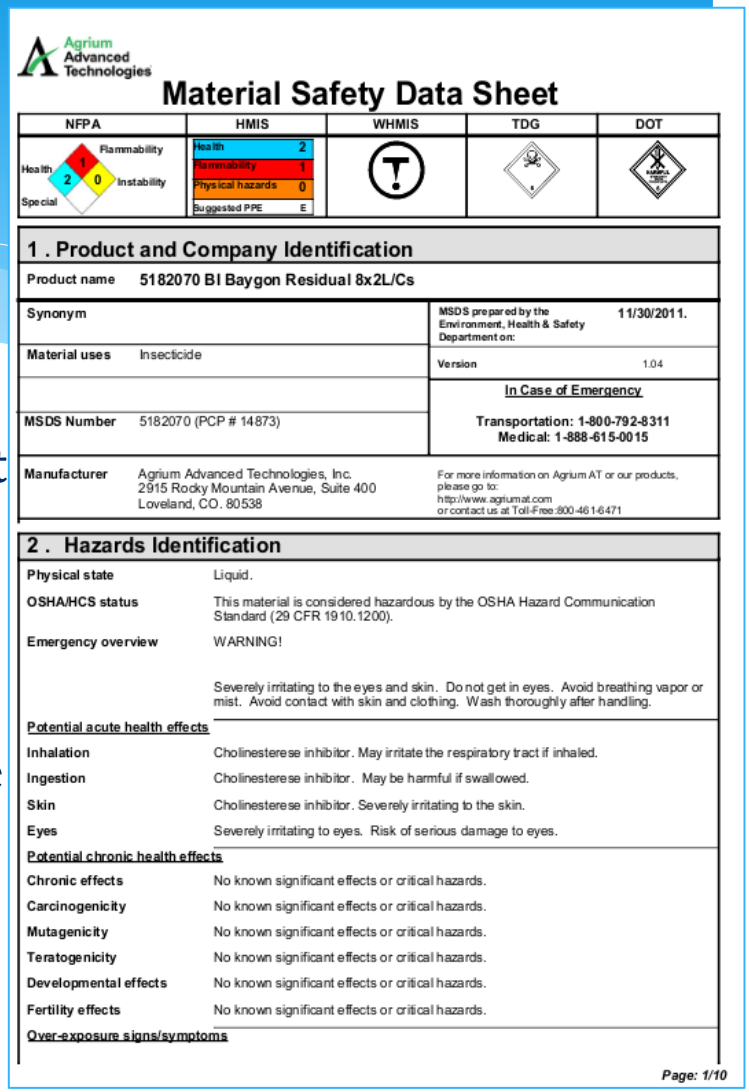
How are the MSDS/SDS used in pesticide training?

CCR 6724 Handler Training requires that pesticide handlers be informed of the hazards of acute and chronic effects as identified in an MSDS of the pesticide. (Essentially a basic understanding of the information on an MSDS/SDS. The new SDS must be used in the training).

Note: MSDS/SDS training does not replace the required label training.



Agrium Advanced Technologies

Material Safety Data Sheet

NFPA	HMIS	WHMIS	TDG	DOT
Flammability 1, Health 2, Instability 0, Special	Health 2, Flammability 1, Physical hazards 0, Suggested PPE E			

1 . Product and Company Identification

Product name	5182070 BI Baygon Residual 8x2L/Cs		
Synonym		MSDS prepared by the Environment, Health & Safety Department on:	11/30/2011.
Material uses	Insecticide	Version	1.04
		In Case of Emergency	
MSDS Number	5182070 (PCP # 14873)	Transportation: 1-800-792-8311 Medical: 1-888-615-0015	
Manufacturer	Agrium Advanced Technologies, Inc. 2915 Rocky Mountain Avenue, Suite 400 Loveland, CO. 80538	For more information on Agrium AT or our products, please go to: http://www.agriumat.com or contact us at Toll-Free 800-461-6471	

2 . Hazards Identification

Physical state	Liquid.
OSHA/HCS status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Emergency overview	WARNING!
	Severely irritating to the eyes and skin. Do not get in eyes. Avoid breathing vapor or mist. Avoid contact with skin and clothing. Wash thoroughly after handling.
Potential acute health effects	
Inhalation	Cholinesterese inhibitor. May irritate the respiratory tract if inhaled.
Ingestion	Cholinesterese inhibitor. May be harmful if swallowed.
Skin	Cholinesterese inhibitor. Severely irritating to the skin.
Eyes	Severely irritating to eyes. Risk of serious damage to eyes.
Potential chronic health effects	
Chronic effects	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
Over-exposure signs/symptoms	

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Could the content of the SDS differ from that of a pesticide label?

Yes. Some pesticide label have the signal word caution. The SDS, under the GHS, utilize only two signal words – "Danger" and Warning."

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What about the signal word on service containers?

As required by 6678.Service Container Labeling, a service container must bear the name and address of the responsible firm/person, name of the pesticide, and Signal Word.

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OSHA Requirement

OSHA requires Employers to train employees on how to interpret & understand info in the new "GHS format" Safety Data Sheets by 12-1-2013.

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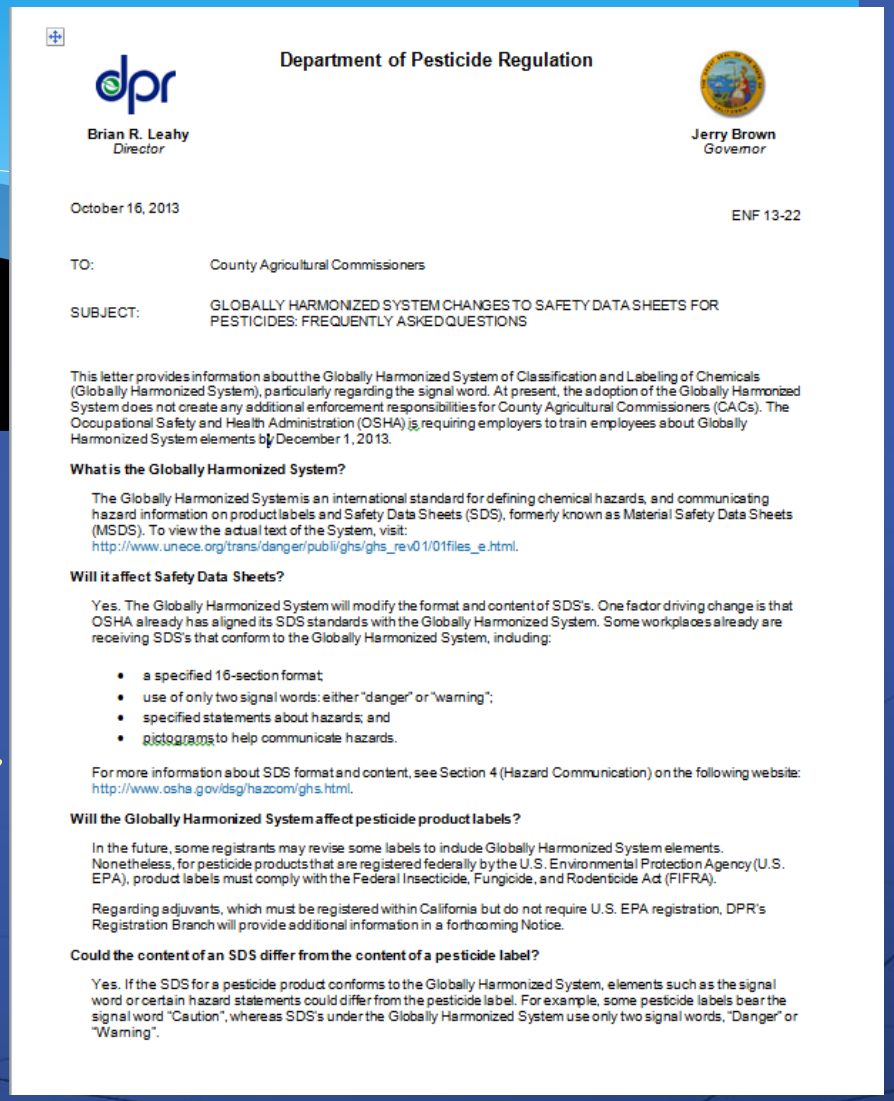
Some FAQ addressed on DPR Enforcement Letter 13-22 (handout)

Such as:

Will the GHS affect pesticide product labels?

Could the content of an SDS differ from the label?

Does the Ag Commissioner have any new enforcement responsibilities?



Department of Pesticide Regulation

Brian R. Leahy
Director

Jerry Brown
Governor

October 16, 2013

ENF 13-22

TO: County Agricultural Commissioners

SUBJECT: GLOBALLY HARMONIZED SYSTEM CHANGES TO SAFETY DATA SHEETS FOR PESTICIDES: FREQUENTLY ASKED QUESTIONS

This letter provides information about the Globally Harmonized System of Classification and Labeling of Chemicals (Globally Harmonized System), particularly regarding the signal word. At present, the adoption of the Globally Harmonized System does not create any additional enforcement responsibilities for County Agricultural Commissioners (CACs). The Occupational Safety and Health Administration (OSHA) is requiring employers to train employees about Globally Harmonized System elements by December 1, 2013.

What is the Globally Harmonized System?

The Globally Harmonized System is an international standard for defining chemical hazards, and communicating hazard information on product labels and Safety Data Sheets (SDS), formerly known as Material Safety Data Sheets (MSDS). To view the actual text of the System, visit: http://www.unece.org/trans/danger/publi/ghs/ghs_rev01/01files_e.html.

Will it affect Safety Data Sheets?

Yes. The Globally Harmonized System will modify the format and content of SDS's. One factor driving change is that OSHA already has aligned its SDS standards with the Globally Harmonized System. Some workplaces already are receiving SDS's that conform to the Globally Harmonized System, including:

- a specified 16-section format;
- use of only two signal words: either "danger" or "warning";
- specified statements about hazards; and
- pictograms to help communicate hazards.

For more information about SDS format and content, see Section 4 (Hazard Communication) on the following website: http://www.osha.gov/dsg/hazcom/ghs.html.

Will the Globally Harmonized System affect pesticide product labels?

In the future, some registrants may revise some labels to include Globally Harmonized System elements. Nonetheless, for pesticide products that are registered federally by the U.S. Environmental Protection Agency (U.S. EPA), product labels must comply with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Regarding adjuvants, which must be registered within California but do not require U.S. EPA registration, DPR's Registration Branch will provide additional information in a forthcoming Notice.

Could the content of an SDS differ from the content of a pesticide label?

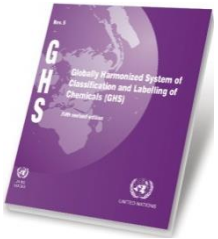
Yes. If the SDS for a pesticide product conforms to the Globally Harmonized System, elements such as the signal word or certain hazard statements could differ from the pesticide label. For example, some pesticide labels bear the signal word "Caution", whereas SDS's under the Globally Harmonized System use only two signal words, "Danger" or "Warning".

GHS

The Globally Harmonized System of Classification and Labeling of Chemicals

For more information

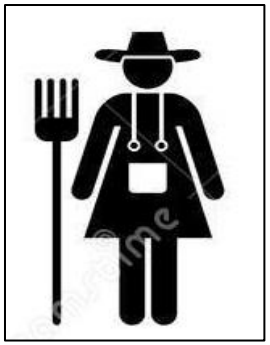
Google Search: "GHS Purple Book"

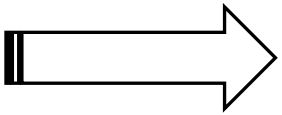


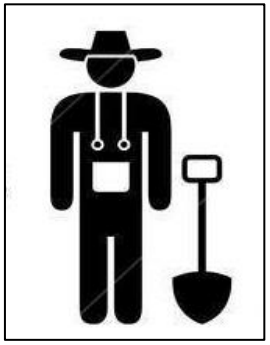
www.osha.gov/dsg/hazcom/ghs.html

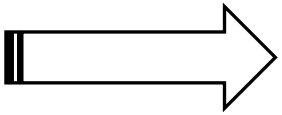
USEPA Home Page, search term "GHS

The End









Pictogram Understanding Test