



The Safety Association for Canada's
Upstream Oil and Gas Industry

WHMIS 2015 (GHS)

What you need to know!



Agenda

- WHMIS background
- WHMIS 2015 timing
- What are the changes?
- Examples of benefits
- What does this mean for me?



WHMIS background

- WHMIS stands for Workplace Hazardous Material Information System
 - The management of hazardous products like chemicals
- WHMIS has been updated to incorporate Global Harmonization System (GHS)
 - GHS is a global system to align the management of hazardous products across different countries and systems like Transportation of Dangerous Goods (TDG)
 - The new WHMIS is referred to as WHMIS 2015
 - The old WHMIS is referred to as WHMIS 1988



WHMIS background

- Roles and Responsibilities
 - In WHMIS 2015 the same roles and responsibilities exist as in WHMIS 1988 and are still grouped as suppliers, employers and workers
- Components of WHMIS 1988 and 2015
 - Classification
 - (Material) Safety Data Sheets
 - Labels
 - Training



WHMIS 2015 timing

- WHMIS 2015 was passed into law on February 11, 2015
- Suppliers have until June 1, 2017 to transition over
- Employers and workers have until December 1, 2018 to transition over

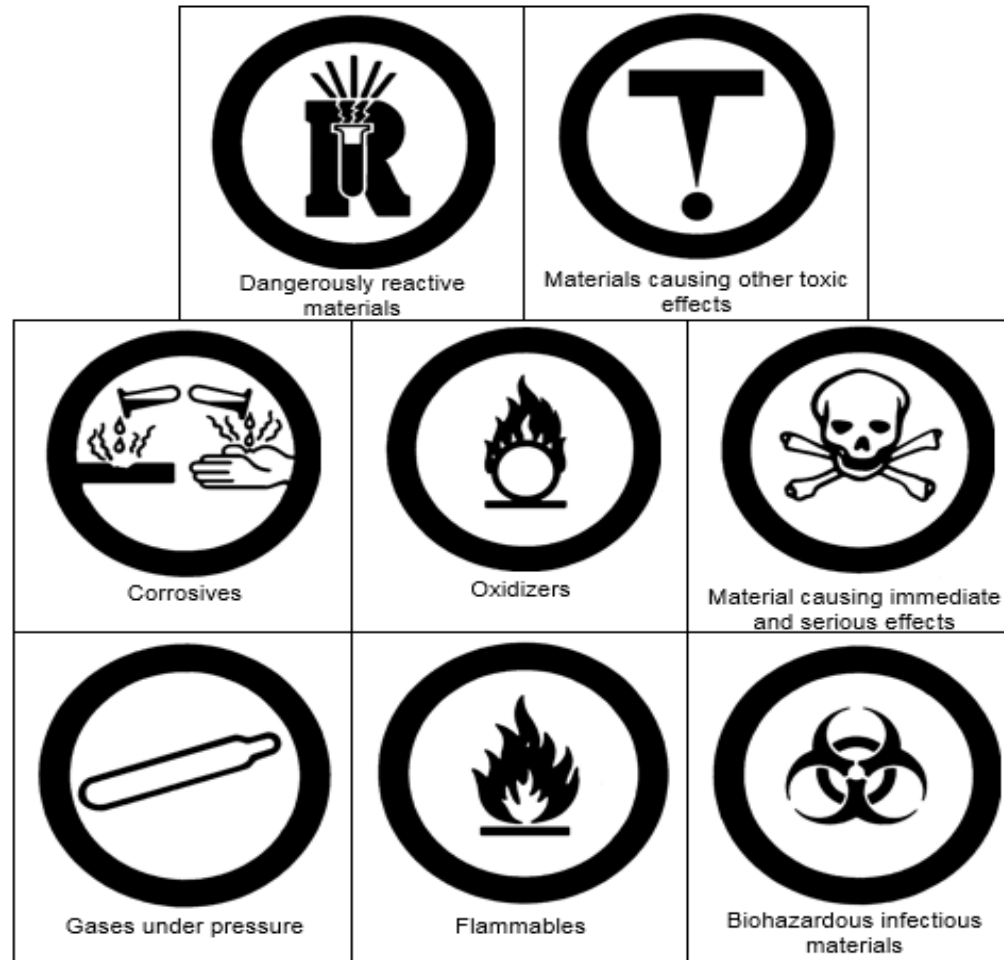


What are the changes?









- New classification criteria for physical and health hazard classes
 - E.g.:
 - Diesel is now classified as flammable
 - Anhydrous ammonia is now classified as flammable
- Safety Data Sheets (SDS) instead of Material Safety Data Sheets (MSDS)
 - 16 sections
- New pictograms



WHMIS 1988 pictograms



WHMIS 2015 pictograms

 <p>Toxic/irritation/ sensitization/STOT*</p>	 <p>Health hazards**</p>	 <p>Self-Reactive and Organic Peroxides</p>
 <p>Corrosives</p>	 <p>Oxidizers</p>	 <p>Acute toxicity</p>
 <p>Gases under pressure</p>	 <p>Flammables</p>	 <p>Biohazardous infectious materials</p>

STOT – Specific target organ toxicity – single exposure, Category 3


**Includes respiratory sensitizers, mutagens, carcinogens, reproductive toxins, aspiration hazards, and STOT single and repeated exposure (Category 1 and 2)



New labels

- New Supplier Labels
 - New Signal Words:
 - “Warning” or “Danger”
 - No cross-hatched border

Product Identifier: ABC Chemical/Produit Chimique ABC



Materials causing other toxic effects

Risk phrases: Causes skin irritation

Precautionary measures: Wear gloves. Wash hands thoroughly after handling. If skin irritation occurs get medical advice or attention. Take off contaminated clothing and wash it before reuse.

First aid measures: If on skin wash with plenty of water.

See the MSDS.

Supplier Identifier: XYZ Corporation, 9999-9999 Ave NE, Calgary, Alberta, T4B-080 (999)-999-9999

Matériaux causant d'autres effets toxiques

Provoque une irritation cutanée.

Porter des gants protecteurs. Se laver les mains soigneusement après manipulation. En cas d'irritation cutanée, consulter un médecin.

Premiers secours: Laver abondamment à l'eau

Product Identifier: ABC Chemical/Produit Chimique ABC



Signal Word: Warning

Hazard statements: Causes skin irritation

Precautionary Statements: Wear gloves. Wash hands thoroughly after handling. If skin irritation occurs get medical advice or attention. Take off contaminated clothing and wash it before reuse. If on skin wash with plenty of water.

Supplier Identifier: XYZ Corporation, 9999-9999 Ave NE, Calgary, Alberta, T4B-080 (999)-999-9999

Mise en garde

Provoque une irritation cutanée.

Porter des gants protecteurs. Se laver les mains soigneusement après manipulation. Laver abondamment à l'eau. En cas d'irritation cutanée, consulter un médecin.



Examples of benefits

- WHMIS and TDG align
- Now what is flammable in the truck is flammable in the workplace, e.g., Diesel Fuel

Classification Elements		Hazard Statement	WHMIS 2015	TDG
Flash Point*	Boiling Point			
<23°C	≤35°C	Extremely flammable	Category 1	Packing Group I
<23°C	>35°C	Highly flammable	Category 2	Packing Group II
≥23°C and ≤60°C	>35°C	Flammable	Category 3	Packing Group III
>60°C - ≤93°C	N/A	Combustible	Category 4**	N/A**

* - closed-cup method

** - provided temperature of liquid is less than flash point



What does this mean for me?

- As a supplier, I need to:
 - Reclassify products
 - Create/Update SDSs
 - Update supplier labels
- As an employer, I need to:
 - Update SDS inventories
 - Train workers on WHMIS 2015
 - Update workplace labels as appropriate



What does this mean for me?

- As a worker, I need to recognize WHMIS 2015 labels
 - No cross-hatched border
 - New pictograms
 - Not all labels have the pictogram
 - New Signal Words and Precautionary Statements



Links for more information

- **Enform:**
 - Guidance sheet (GS-410) with oil and gas relevance, [click here](#)
- **CCOHS:**
 - Comprehensive list of changes, [click here](#)
- **Health Canada:**
 - Summary of changes, [click here](#)
- **Alberta OHS Bulletins:**
 - Summary of label and pictogram changes, [click here](#)
- **Hazardous Products Regulations:**
 - Complete regulations, [click here](#)

