

WHMIS 2015





Introduction

WHMIS Refresher:

WORKPLACE

HAZARDOUS

MATERIALS

INFORMATION

SYSTEM

A standardized nation-wide workplace safety control measure.

In workplaces where hazardous materials are used, stored, or handled.

WHMIS 2015

- WHMIS 2015 is an update of the WHMIS we know (WHMIS 1988); currently “in force”, but also “in transition”
- Has new information to meet requirement of the “Global Harmonized System”
- Very similar to WHMIS 1988





How will WHMIS 2015 protect you?

- Understand labels
- Recognize symbols and the hazards they represent
- Seek additional information on SDSs
- Follow safe work procedures



WHMIS Regulations state:

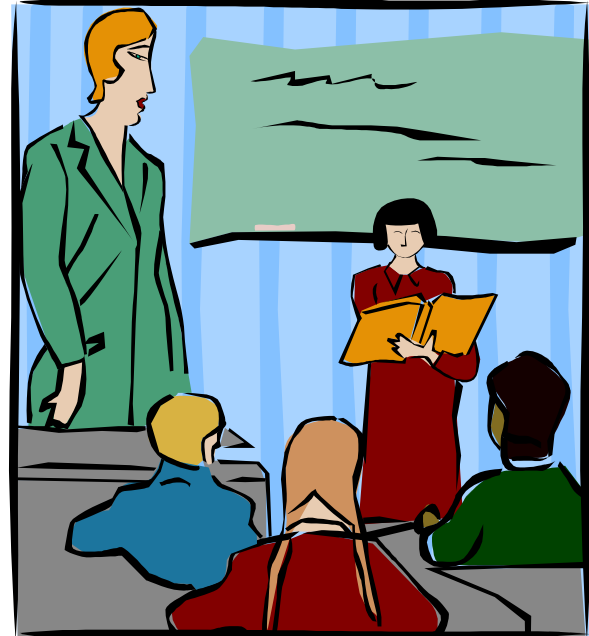
No employer may allow the use, handling or storage of a WHMIS hazardous product in a workplace unless the product:

- **carries a label**
- **a safety data sheet is available**
- **the worker(s) has received the training**



WHMIS 2015 Main Elements

1. New Labels
2. New Safety Data Sheets
3. New Training





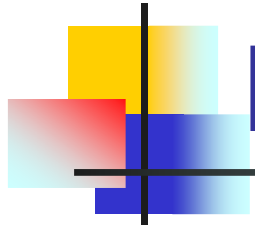
Legal Requirements

- In February, 2015, the federal government changed the Hazardous Product Act and Regulations
- Allows manufacturers, distributors, employers and workers time to adjust over a transition period where BOTH WHMIS 1988 and WHMIS 2015 may be used
- Employer is required to train you as the new labels and SDSs appear in the workplace



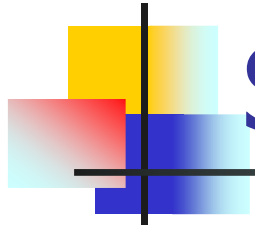
Exclusions

- Consumer Products
- Explosives
- Pesticides, herbicides, pest control products



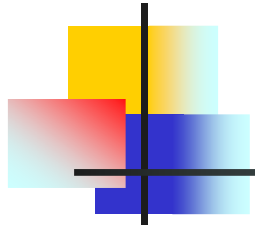
Responsibilities – No change

- Suppliers, Employers (and supervisors), and workers' responsibilities don't change under WHMIS 2015
- Let's review...



Supplier's Responsibilities

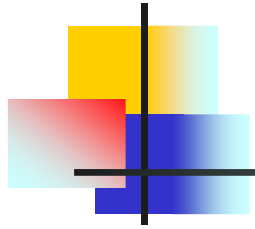
- Make sure products are labeled properly
- Provide employers with Safety Data Sheets (SDS)



Employers are required:

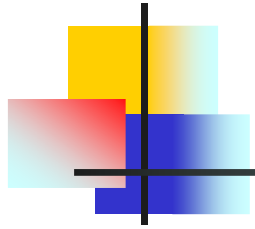
To provide workers with training in three key areas:

- How to use WHMIS 2015 labels and SDSs
- Procedures for safe handling and storage
- Emergency procedures



Employer Responsibilities

- Ensure labels and SDS info is available
- Develop safe procedures
- Train workers on WHMIS 2015 materials and procedures













Employee responsibilities

- Learn how to use WHMIS 2015
- Accept and review info on hazardous materials
- Follow the recommended procedures
- Inform your supervisor of hazards or damaged or missing labels











New Hazard Groups

- Physical Hazards
- Health Hazards
- Environmental Hazards

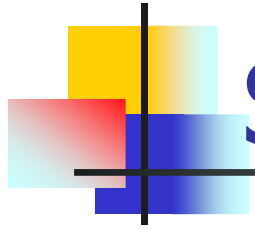
GHS – Hazard Pictograms and correlated exemplary Hazard Classes				
Physical Hazards				
				
Explosives	Flammable Liquids	Oxidizing Liquids	Compressed Gases	Corrosive to Metals
Health Hazards				Env. Hazards
				
Acute Toxicity	Skin Corrosion	Skin Irritation	CMR ¹⁾ , STOT ²⁾ , Aspiration Hazard	Hazardous to the Aquatic Environment

1) carcinogenic, germ cell mutagenic, toxic to reproduction / 2) specific target organ toxicity

New Symbols

	Exploding bomb (for explosion or reactivity hazards)		Flame (for fire hazards)		Flame over circle (for oxidizing hazards)
	Gas cylinder (for gases under pressure)		Corrosion (for corrosive damage to metals, as well as skin, eyes)		Skull and Crossbones (can cause death or toxicity with short exposure to small amounts)
	Health hazard (may cause or suspected of causing serious health effects)		Exclamation mark (may cause less serious health effects or damage the ozone layer*)		Environment* (may cause damage to the aquatic environment)
	Biocarcinous Infectious Materials (for organisms or toxins that can cause diseases in people or animals)				

* The GHS system also defines an Environmental hazards group. This group (and its classes) was not accepted in WHMIS 2015. However, you may see the environmental classes listed on labels and Safety Data Sheets (SDSs). Including information about environmental hazards is allowed by WHMIS 2015.



Supplier Labels

- 1. A product identifier (name)
- 2. Hazard symbol(s)
- 3. Signal Word
- 4. Hazard Statements
- 5. Precautionary Statements
- 6. Supplier identifier

Product K1 / Produit K1



Danger

Fatal if swallowed.
Causes skin irritation.

Precautions:

Wear protective gloves.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using
this product.

Store locked up.
Dispose of contents/containers in
accordance with local regulations.

IF ON SKIN: Wash with plenty of water.
If skin irritation occurs: Get medical
advice or attention.
Take off contaminated clothing and
wash it before reuse.
IF SWALLOWED: Immediately call
a POISON CENTRE or doctor.
Rinse mouth.

Danger

Mortel en cas d'ingestion.
Provoque une irritation cutanée.

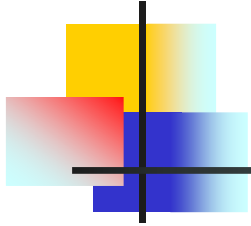
Conseils :

Porter des gants de protection.
Se laver les mains soigneusement après manipulation.
Ne pas manger, boire ou fumer en manipulant
ce produit.

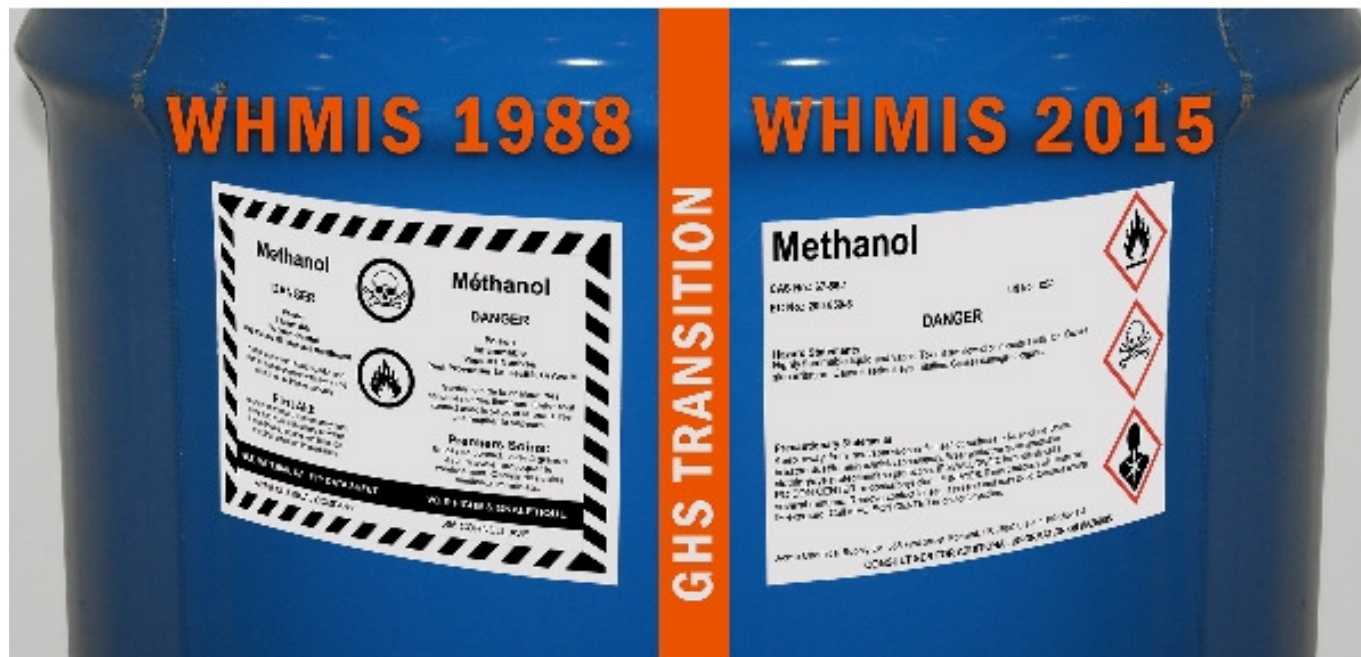
Garder sous clef.
Éliminer le contenu/réceptacle conformément aux
règlements locaux en vigueur.

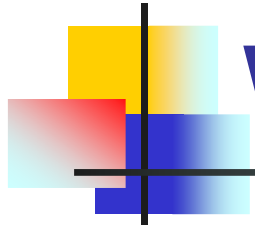
EN CAS DE CONTACT AVEC LA PEAU : Laver
abondamment à l'eau.
En cas d'irritation cutanée : Demander un avis
médical/consulter un médecin.
Enlever les vêtements contaminés et les laver
avant réutilisation.
EN CAS D'INGESTION : Appeler immédiatement un
CENTRE ANTIPOISON ou un médecin.
Rincer la bouche.

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1988 to 2015...





Workplace Labels

- Product Name
- Signal Word and Safe Handling Procedures
- Reference to the SDS



Safety Data Sheets



- Supplier must provide
- Accessible to workers in the workplace
- Must be kept up-to-date
(*does not expire – New*)
- For employees, 4 main purposes:
 - identify the product,
 - know the physical and health hazards
 - how to protect from exposure
 - emergency response measures



What's in a SDS?

1. Product Identification – name, company info
2. Hazard Identification – class, symbol, signal word, hazard statement, precautionary measures
3. Composition Information – chemical info
4. First Aid Information – inhalation, skin, eye, ingestion
5. Fire Fighting Measures
6. Accidental Release Measures
7. Handling and Storage
8. Exposure Controls/Personal Protection



What's in a SDS? Continued...

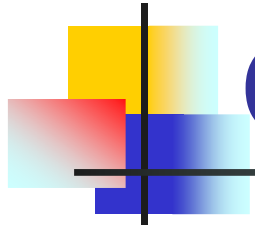
9. Physical and Chemical Properties – appearance, odor, pH, flammability, vapor density, solubility...
10. Stability and Reactivity
11. Toxicological Information – likely routes, symptoms, effects, levels of toxicity
12. Ecological Information
13. Disposal Considerations
14. Transport Information
15. Regulatory Information
16. Other Information – revision date

WHMIS 2015 Main Elements

Transition until December 1, 2018:

1. New Labels
2. New Safety Data Sheets
3. New Training





QUESTIONS???

