

# Welcome to WHMIS Training



# Instructions

- This course takes approximately 15 minutes to complete.
- You will be required to complete a short quiz after you have reviewed the presentation.

# What does WHMIS stand for?

Workplace Hazardous Materials Information System

# Why do I need WHMIS Training?

Workers have the “Right to Know” about hazards in the workplace.

# WHMIS Law

In 1988 WHMIS legislation came into effect across Canada. All Canadian workplaces must train and educate workers on the safe use of chemicals.

# WHMIS Case Study

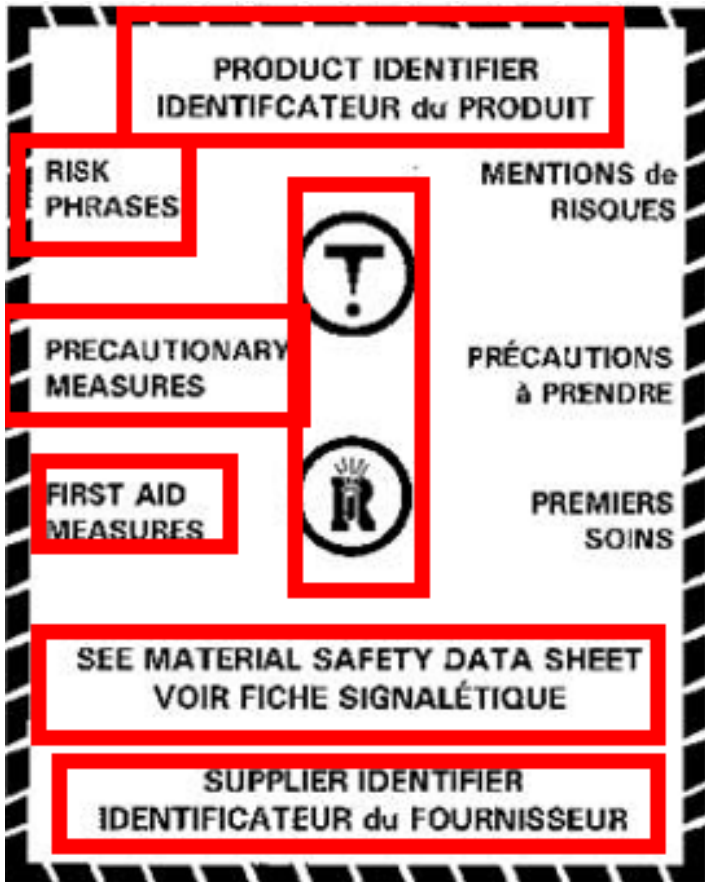
Sally is your average hospital employee. She wants to use **Virox 5 RTU** for cleaning.



# WHMIS Case Study

What does Sally need to know about the product she is going to use?

Sally can read the supplier label












This is an example of a supplier label. A supplier label must contain the following **9** pieces of information:

1. Name of product
2. Name and address of supplier
3. Refer to Material Safety Data Sheet (MSDS)
4. Hazard symbols
5. Risk phrases
6. Precautionary measures
7. First aid measures
8. Must be written in English & French
9. Must have a hatch-marked border

# WHMIS Case Study

Where can Sally find more information about the WHMIS symbol?

A definition of the WHMIS Hazard Symbols (which you will see on the labels) are on the back of your emergency code wallet size card. Most staff keep this with their picture ID.

 Workplace Hazardous Materials Information System (WHMIS)		
	<b>CLASS A</b> Compressed Gas	Contents under pressure; risk of explosion; do NOT drop or allow to fall; MUST be secured at all times.
	<b>CLASS B</b> Flammable/Combustible	May burn with spark, heat or friction; store with compatible products; store as directed; use PPE.
	<b>CLASS C</b> Oxidizing	May burn skin/eyes on contact; increases risk of fire or explosion; wear appropriate PPE.
	<b>CLASS D</b> Immediate/Severe Effects	Potentially fatal if swallowed or inhaled; may be absorbed through skin; wear appropriate PPE.
	<b>CLASS D</b> Other Toxic Effects	Harmful effects over extended exposure; avoid direct contact; wear appropriate PPE.
	<b>CLASS D</b> Biohazardous/Infectious	May cause disease or death; avoid breathing aerosols/vapours or contamination; wear PPE.
	<b>CLASS E</b> Corrosive Materials	Eye/skin/lung irritation on exposure; work in well-ventilated area; wear appropriate PPE.
	<b>CLASS F</b> Dangerously Reactive	May react unexpectedly; avoid vibration, shock or sudden temperature changes.
Refer to product's MSDS for more information		

# WHMIS Case Study

Where can Sally find more data?



I would like more information about Virox 5 RTU before I start cleaning.

I can find this on the **material safety data sheet.**

## Material Safety Data Sheet (MSDS)

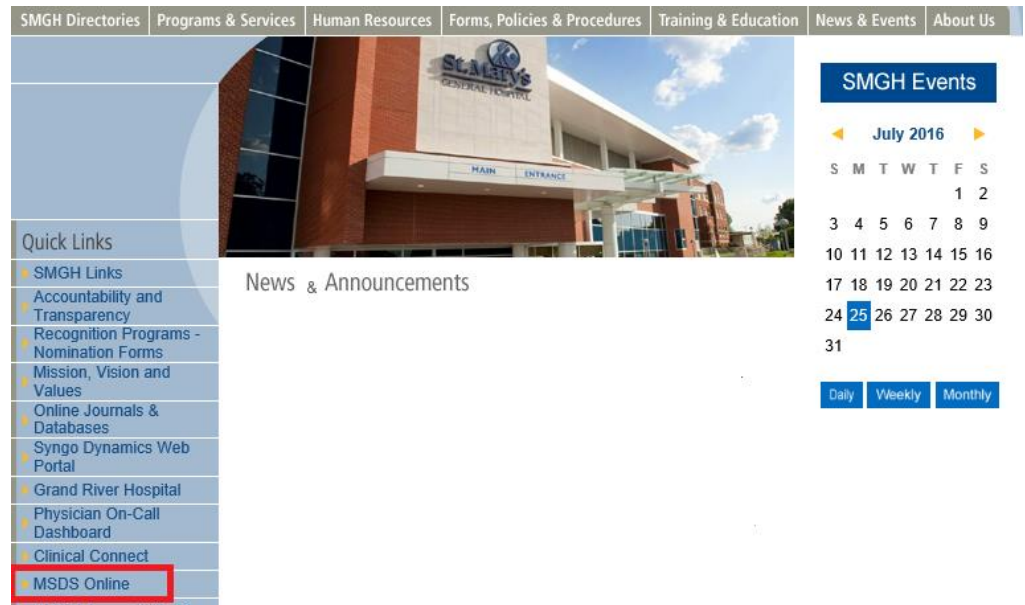
Material Safety Data Sheets (MSDS) contain more information about the product than the label.

It is a document that tells you how to work safely with the product. It contains all types of helpful information from how to store, use, handle and emergency procedures for the chemical you are using.

# WHMIS Case Study

Where are MSDS sheets kept?  
You can find MSDS sheets on:

1) Intranet - Quick Links –  
MSDS online



2) In the basement of the  
hospital tower in the elevator  
lobby



# WHMIS Case Study

When on the Intranet, follow these steps for more information about the product you are using:

The screenshot shows the MSDS Search interface. At the top, there are buttons for 'Log In', 'Edit Memory', and 'Help Center'. The St. Mary's General Hospital logo is on the left, and the MSDSonline logo is on the right. Below the logo is a navigation bar with 'Safety Center' and 'MSDS Search'. The main content area is titled 'MSDS Search'. A search input field contains the text 'Virox 5 RTU' and is highlighted with a red box. A red arrow points to the search button on the right of the input field. Below the search bar are several filter sections: 'Locations' with a dropdown menu labeled 'Select Location', 'Groups' with a dropdown menu labeled 'Select Group', 'Product Data' with a dropdown menu labeled 'Select Product Data', 'Product Status' with a dropdown menu labeled 'Active', and 'Custom Module' with an empty text input field. At the bottom of the search area are 'Search' and 'Reset' buttons. Below the search area is a grey bar with the text 'Product name starts with: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0-9 #+='.

# WHMIS Case Study

**All Products**

Virox 5 RTU

Locations:  Groups:  Product Data:

Product Status:  Custom Module:

Product name starts with: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0-9 #+=

1 Product  Virox 5 RTU  Sort By: Last Added

Narrow Results	<input type="checkbox"/>	Product	Revision Date	Product CAS #	C
- By Manufacturer	1 <input type="checkbox"/>	<b>VIROX AHP 5 RTU</b> Manufacturer: Sealed Air Corporation JohnsonDiversey	10/01/2015		<input type="button" value="back to top"/>
<input type="checkbox"/> Sealed Air Corporation (1)	<input type="checkbox"/>				
- By Language					
<input type="checkbox"/> English (1)					
- By Regulatory Format					
<input type="checkbox"/> US ANSI (1)					
- By Ingredient					
<input type="checkbox"/> HYDROGEN PEROXI... (1)					
- By Locations					
<input type="checkbox"/> Level 1 (1)					
<input type="checkbox"/> Level 2 (1)					



# WHMIS Case Study

## MATERIAL SAFETY DATA SHEET



### VIROX AHP 5 RTU

HMIS		NFPA	Personal protective equipment
Health	N/A	0	None / Aucune / Ninguno
Flammability	N/A	0	
Physical Hazard / Instability	N/A	0	

Version Number: 2

Preparation date: 2015-10-01

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** VIROX AHP 5 RTU

**SDS #:** MS0300099  
**Product Code:** 53808, 5871788  
**Recommended use:** Disinfectant Cleaner. This product is intended to be used neat.

**Manufacturer, importer, supplier:**  
US Headquarters  
Diversey, Inc.  
8310 16th St.  
Sturtevant, Wisconsin 53177-1964  
Phone: 1-888-352-2249  
MSDS Internet Address: [www.diversey.com](http://www.diversey.com)

Canadian Headquarters  
Diversey, Inc. - Canada  
3755 Laird Road  
Mississauga, Ontario L5L 0B3  
Phone: 1-800-668-7171

# WHMIS Case Study

Example of a MSDS sheet

MATERIAL SAFETY DATA SHEET



## VIROX AHP 5 RTU

HMIS		NFPA	Personal protective equipment
Health	0	0	None / Acute / N/A
Flammability	0	0	
Physical Hazard / Instability	0	0	

Version Number: 4 Preparation date: 2012-09-13

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: VIROX AHP 5 RTU

MSDS #: MSD 300099  
 Product Code: 53005, 5671788  
 Recommended use: Disinfectant/Cleaner. This product is intended to be used neat.

**Manufacturer, importer, supplier:**  
 US Headquarter: Diversey, Inc. 8310 16th St., Burlington, Wisconsin 53177-1964  
 Phone: 1-800-353-2249  
 MSDS Internet Address: www.diversey.com

Canadian Headquarters: Diversey, Inc. - Canada 2401 Brantford Circle, Oakville, Ontario L6H 6P1  
 Phone: 1-800-465-3131

Emergency telephone number: 1-800-851-7148 (U.S.) 1-651-917-6133 (intl)

### 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**  
 The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Principal routes of exposure:** Eye contact, Skin contact, Inhalation, Ingestion.

Eye contact: None known.  
 Skin contact: None known.  
 Inhalation: None known.  
 Ingestion: None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation - Rat (mg/L @ h)
Hydrogen peroxide	7722-84-1	0 - 10%	600	2000 mg/kg	2 mg/L @ h

### 4. FIRST AID MEASURES

Eye contact: Rinse with plenty of water.  
 Skin contact: Rinse with plenty of water.  
 Inhalation: No specific first aid measures are required.  
 Ingestion: No specific first aid measures are required.  
 Aggravated Medical Conditions: None known.

### 5. FIRE-FIGHTING MEASURES

Stable (extinguishing media): The product is not flammable. Extinguish fire using a agent suitable for surrounding fire.  
 Specific hazard: None known.  
 Unusual hazard: None known.  
 Specific method: None known.  
 Autoignition temperature: No information available.



# WHMIS Case Study

While cleaning, Sally splashes Virox 5 RTU in her eyes. What should Sally do?

This is what appears on the MSDS for Virox 5 RTU under first aid.

## 4. FIRST AID MEASURES

Eye contact:	Rinse with plenty of water.
Skin contact:	Rinse with plenty of water.
Inhalation:	No specific first aid measures are required.
Ingestion:	No specific first aid measures are required.
Aggravated Medical Conditions:	None known

**Sally must flush her eyes immediately with plenty of water.**



# WHMIS Case Study

## Where should Sally go to flush her eyes?

Sally should go to an eye wash station. She should flush her eyes for 15 minutes. Make sure you know where the closest eyewash station is in your area.

## What should Sally do after she has used the eyewash station for 15 minutes?

Sally should go to the Occupational Health and Safety Department from Monday to Friday, 8:00 a.m. – 4:00 p.m. If the incident occurs after business hours, Sally should go to the Emergency Department.



# WHMIS Case Study

## **Should Sally complete an employee incident report?**

Yes, Sally can find an incident reporting sheet on the Intranet – Quick Links – Incident Reporting System.

## **Will Sally be able to return to work?**

Yes, Sally will be able to return to work.

## **Questions?**

If you have any questions please contact your Supervisor, Occupational Health and Safety or an Educator.

# Coming in 2017

**WHMIS 2015** is a Globally Harmonized System (GHS) which will standardize WHMIS information nationally. There will be some changes to what we currently know as WHMIS.

## **Changes will include:**

- New hazard symbols
- MSDS will be referred to as Safety Data Sheets (SDS) with the added requirement of more sections
- New requirement for supplier labels
- Training on the new system will begin in 2017

## **You have completed the presentation!**

Thank you for reviewing the WHMIS presentation. Please complete the short quiz given to you and found on the Internet. You will need to receive a score of 100% to pass WHMIS.