# WHMIS

## Participant Workbook

WORK SAFE BC

WORKING TO MAKE A DIFFERENCE

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Workers' Compensation Board of B.C.

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## WCB PUBLICATIONS

Many publications are available on the WCB web site. The Occupational Health and Safety Regulation and associated policies and guidelines, as well as excerpts and summaries of the *Workers Compensation Act,* are also available on the web site: <www.worksafebc.com>

Some publications are also available for purchase in print:

Phone: 604 232-9704
Toll-free phone: 1 866 319-9704
Fax: 604 232-9703
Toll-free fax: 1 888 232-9714
Online ordering: <www.worksafebc.com> and click on Publications; follow the links for ordering



If any conflict exists between this material and current WHMIS legislation or related policies, the legislation and policies shall take precedence.

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# Contents

## ABOUT THE WCB

The Workers' Compensation Board is an independent provincial statutory agency governed by a Board of Directors. It is funded by insurance premiums paid by registered employers and by investment returns. In administering the *Workers Compensation Act,* the WCB remains separate and distinct from government; however, it is accountable to the public through government in its role of protecting and maintaining the overall well-being of the workers' compensation system.

The WCB was born out of a compromise between B.C.'s workers and employers in 1917 where workers gave up the right to sue their employers or fellow workers for injuries on the job in return for a no-fault insurance program fully paid for by employers. The WCB is committed to a safe and healthy workplace, and to providing return-to-work rehabilitation and legislated compensation benefits to workers injured as a result of their employment.

## WCB PREVENTION INFORMATION LINE

The WCB Prevention Information Line can answer your questions about workplace health and safety, worker and employer responsibilities, and reporting a workplace accident or incident. The Prevention Information Line accepts anonymous calls.

Phone 604 276-3100 in the Lower Mainland, or call 1 888 621-7233 (621-SAFE) toll-free in British Columbia.

To report after-hours and weekend accidents and emergencies, call 604 273-7711 in the Lower Mainland, or call 1 866 922-4357 (WCB-HELP) toll-free in British Columbia.

# WHMIS Participant Workbook

## WELCOME TO THE WHMIS INSTRUCTION PROGRAM.

This program will cover the basics of WHMIS education.

The video presentation has five parts:

- Overview
- Classification
- Labels
- MSDS
- Education/Implementation

Your workbook is designed to help you learn the information in the video program with three features:

- A brief summary of each part of the video
- Space to add your own notes from class discussion
- Review exercises

When the instruction session is finished, keep this workbook for reference. You can also find information in the *WHMIS at Work* booklet.

The overall purpose of WHMIS is to help ensure a safer, healthier workplace. Your knowledge about the workplace is your biggest asset in successfully understanding and benefiting from WHMIS.

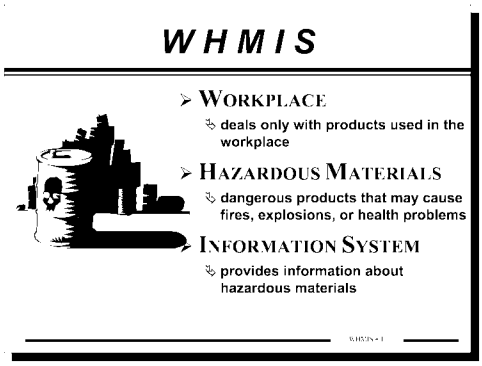
**DO NOT HESITATE TO ASK QUESTIONS.**

# Overview of WHMIS

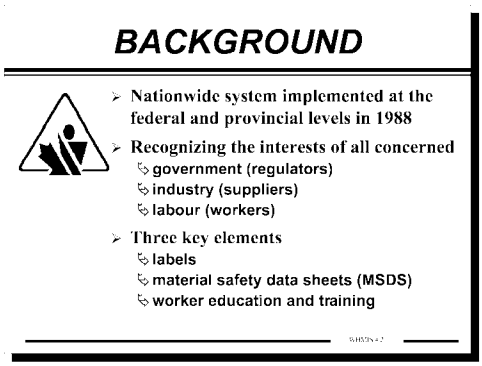
## WHMIS DEVELOPMENT

The purpose of WHMIS is to reduce injuries or diseases caused by exposure to hazardous materials used in the workplace.

Every person working with or near controlled products has the right to know the hazards and how to safely use the products.




WHMIS is a response to Canadian workers' right to know more about the health and safety hazards of materials used in the workplace. It has been in effect since October 31, 1988. The system provides workers and employers with vital information about hazardous materials.



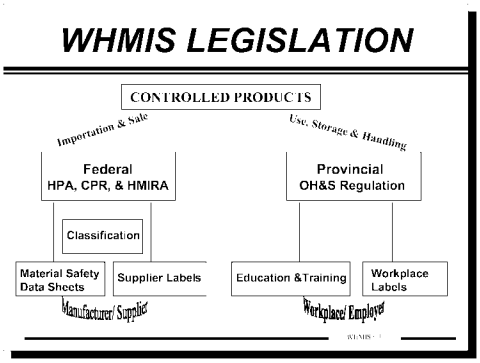

## HAZARDOUS MATERIALS

Hazardous materials are called **controlled products**. Exposure to hazardous materials can result in health problems such as irritation of the eyes, sensitization of the skin or lungs, heart ailments, kidney and lung damage or cancer. Hazardous materials can cause fires, explosions, or other accidents when improperly stored or handled.

## LEGISLATION

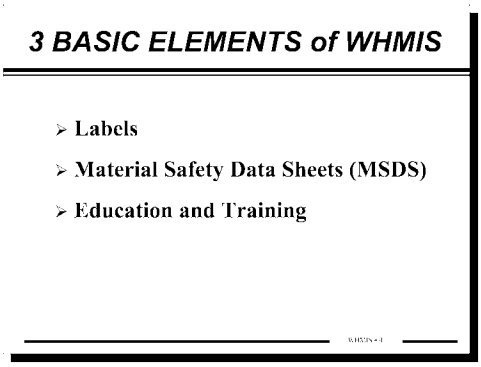
**Federal Legislation** (*Hazardous Products Act* and *Controlled Products Regulations*) deals with importation and sale of controlled products. The *Hazardous Materials Information Review Act* established a commission to review claims for trade secrets.

**Provincial Legislation** *(OHS Regulation)* covers the use of hazardous materials in the workplace.



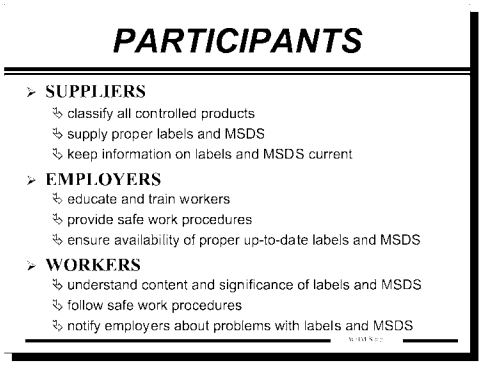

## WHMIS ELEMENTS

**Labels, Material Safety Data Sheets (MSDSs)** and **worker education and training** are the three communication elements of WHMIS.



## KEY WHMIS PARTICIPANTS

The key WHMIS participants are **suppliers**, **employers**, and **workers**.



# Overview Exercises

1) WHMIS is the W_____ H_____ M_____ I_____ S_____.

2) Hazardous materials are referred to as _____ products in the *Hazardous Products Act*.

3) Three key elements of WHMIS information system are _____, _____, and _____.

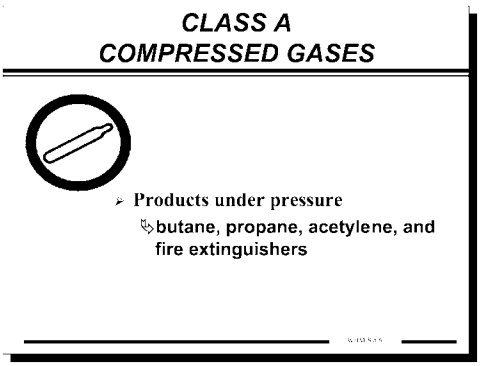
4) The three main WHMIS participants are the _____, the _____, and _____.

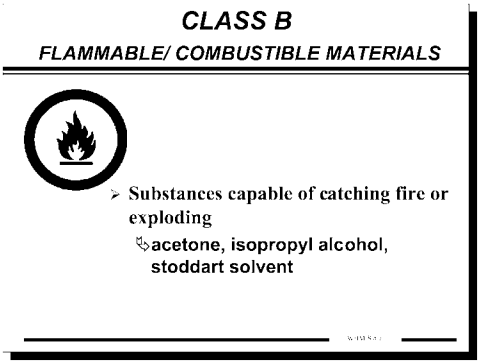
# Classification

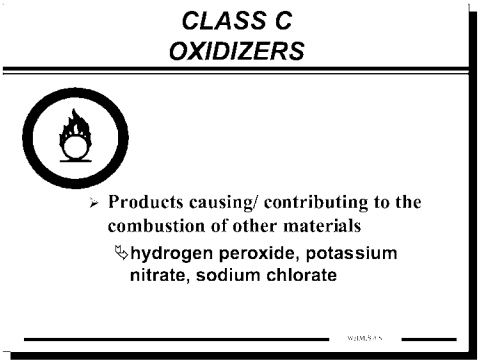
Classification determines if a product falls within one or more of the hazard classes.

## CLASSES AND SYMBOLS

WHMIS covers six classes of controlled products, that are lettered A through F. Eight hazard symbols are used for these different classes.



## CLASS D
## POISONOUS AND INFECTIOUS (D1)

- Materials causing immediate and serious toxic effect
  - arsenic, methylene chloride, and formaldehyde

## CLASS D
## POISONOUS AND INFECTIOUS (D2)

- Materials causing other toxic effect
  - immediate skin or eye irritation
  - chronic health effects on body organs, cardiovascular or nervous system
    - e.g., carcinogens (crystalline silica), sensitizers (methyl methacrylate), embryotoxin (xylene)

## CLASS D
## POISONOUS AND INFECTIOUS (D3)

- Biohazardous infectious materials
  - harmful microorganisms
    - Classified as Risk Groups II, III, or IV as defined by the Medical Research Council of Canada
    - Includes commercial cultures containing infectious organisms such as HIV, Ebola, and Hepatitis B

### CLASS E
### CORROSIVE MATERIALS

- Materials such as caustics or acids causing burns to skin or eyes
  - sodium hydroxide, hydrochloric acid, and hydrofluoric acid

### CLASS F
### DANGEROUSLY REACTIVE MATERIALS

- Products which can undergo dangerous reaction if subject to heat, light, pressure, shock, water, air
  - hydrogen cyanide, benzoyl peroxide, chlorine dioxide

## EXEMPTIONS

### Partially Exempt

Some products are already covered by other labelling legislation and do not require WHMIS labels and MSDSs. However, Provincial legislation requires employers to educate and train workers about the hazards of partially exempt products and in safe work procedures, and to use workplace labels.

### PARTIALLY EXEMPT

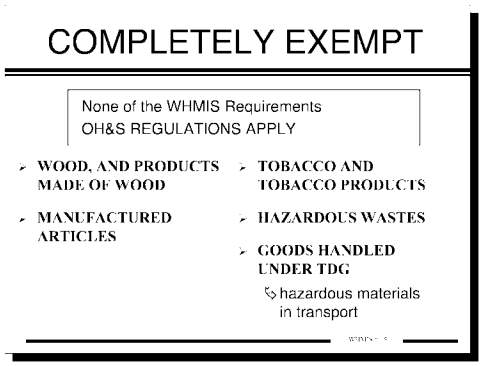
*No WHMIS Supplier Label and MSDS Required*

*EDUCATION & TRAINING AND WORKPLACE LABELS REQUIRED*

- SOME CONSUMER PRODUCTS
- COSMETICS
- FOOD AND DRUGS
- MEDICAL DEVICES
- RADIOACTIVE SUBSTANCES
- PESTICIDES
- EXPLOSIVES

## Completely Exempt

Some products are completely exempt from both Federal and Provincial WHMIS requirements. However, workers must be trained in safe handling procedures, as required under occupational health and safety regulations.



# Classification Exercises

1) _____ are responsible for classifying all controlled products that are imported into or sold in Canada.

2) Match the hazard symbol to the hazards.

**WHMIS Hazard Class Exercise**

| Hazard Symbol | Hazards |
|---|---|
|  | 1) Caustics or acids which can destroy skin or eat metals. |
|  | 2) Capable of catching fire or exploding in the presence of an ignition sources. |
|  | 3) Can undergo dangerous reactions with heat, pressure, impact, or contact with water. |
|  | 4) Provide oxygen which can increase the risk of fire. |
|  | 5) Contain harmful microorganisms. |
|  | 6) Can cause death of a person exposed to small amounts. |
|  | 7) Can cause immediate skin or eye irritation or long-term health effects. |
|  | 8) Can explode if exposed to heat or impact. |

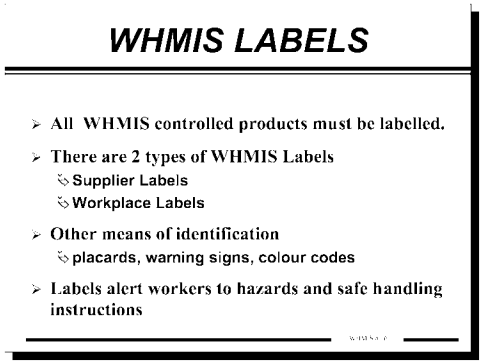
3) As an in-class inventory, list and classify some products in your workplace that fall under WHMIS information requirements.

# Labels

## WHMIS LABELS

The purpose of labels is to alert workers to the main hazards of controlled products and provide instructions for safe handling, and to direct workers to the MSDS for more information.

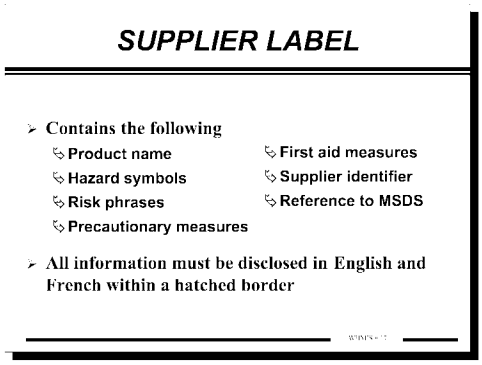
The two types of WHMIS labels are the **supplier label** and the **workplace label**. **Other means of identification** may be used where appropriate (such as warning signs, colour codes, placards).



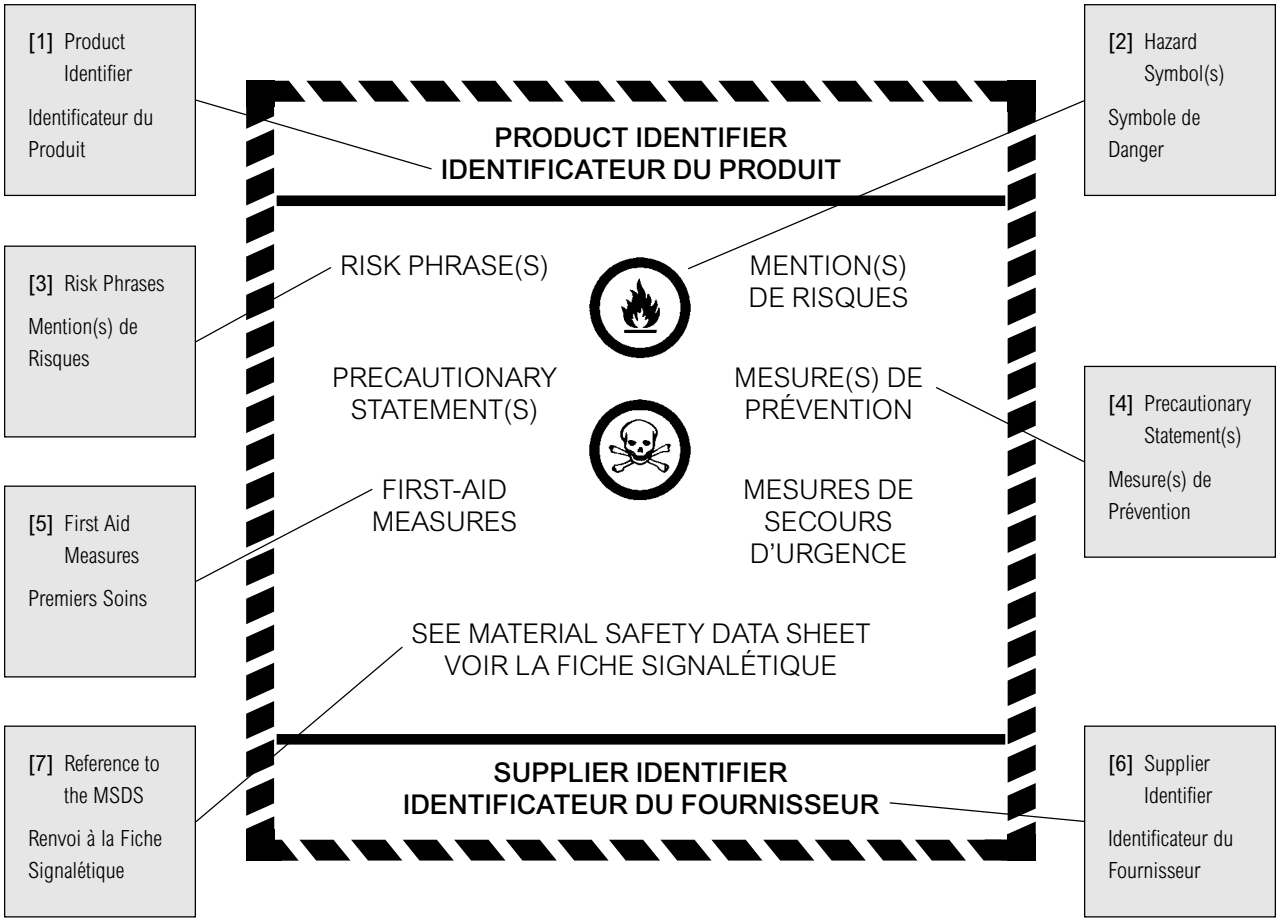

## SUPPLIER LABEL

Suppliers must provide supplier labels on containers of all controlled products sold or imported for use in the workplace.

**Supplier labels** will show seven types of information in both English and French within a distinctive hatched border.



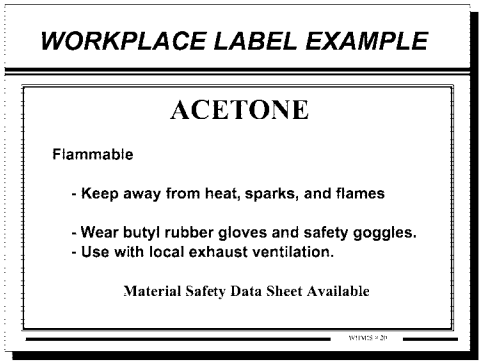
## ACCEPTABLE FORMAT FOR THE SUPPLIER LABEL




***SUPPLIER LABEL EXAMPLE***

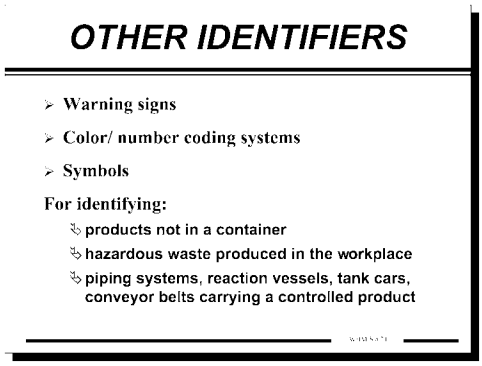
## WORKPLACE LABELS

**Workplace labels** are required on containers of controlled products produced on site, and on secondary containers where the product has been transferred from the original container.


## OTHER MEANS OF IDENTIFICATION

**Other means of identification** may be used where labels are impractical.



**Note:** If you are a laboratory worker, some specific labelling requirements apply. Discuss these with your instructor.

## Labelling Requirement for Small Containers and Laboratory Chemicals

| Information Item | Small Container (< 100 mL) | Laboratory Supply House (< 10 kg) | Laboratory Sample (< 10 kg) |
|---|---|---|---|
| 1) Product Identifier | ✓ | ✓ | ✓ |
| 2) Chemical Identity | | | ✓ |
| 3) Hazard Symbol(s) | ✓ | | |
| 4) Risk Phrases | | ✓ | |
| 5) Precautionary Measures | | ✓ | |
| 6) First Aid Measures | | ✓ | |
| 7) Supplier Identifier | ✓ | | ✓ |
| 8) Reference to MSDS | ✓ | ✓ | |
| 9) Emergency Phone Number | | | ✓ |
| 10) Hatched Border | ✓ | | ✓ |
| 11) English and French | ✓ | ✓ | ✓ |

# Label Exercises

1) What is the purpose of a WHMIS label?

2) What are the two types of WHMIS labels?

3) Review and identify the seven types of information on a supplier label from your workplace.

a) _____

b) _____

c) _____

d) _____

e) _____

f) _____

g) _____

4) Identify the three types of information on this workplace label.

**Solv-easy**

Extremely flammable.

Keep away from sparks, heat, and open flame.

Use local exhaust ventilation or NIOSH-approved organic vapour respirator.

Wear neoprene gloves and chemical splash goggles.

See the MSDS.

5) Name two situations where other means of identification can be used.

a) _____

b) _____

6) As an in-class exercise, choose a WHMIS-controlled product from your workplace, and develop a workplace label for that product.

# Laboratory Label Exercises

## (FOR LAB WORKERS)

1) Supplier labels for controlled products from laboratory supply houses do not need the distinctive border, _____, or _____ if they are packaged in less than 10 kilogram quantities and intended for use in a laboratory.

2) Laboratory supply houses must provide an MSDS for their products, except where the _____ discloses all the information required on the MSDS.

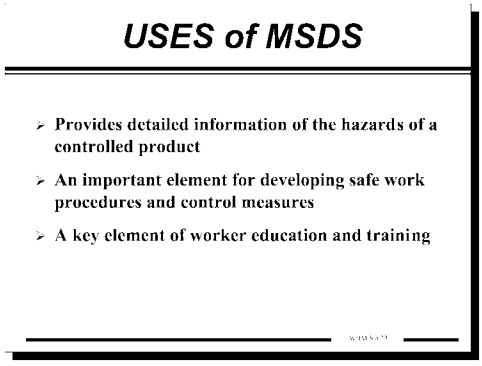
3) A laboratory sample usually does not have an MSDS prepared for it. Identify the WHMIS categories required on the label.

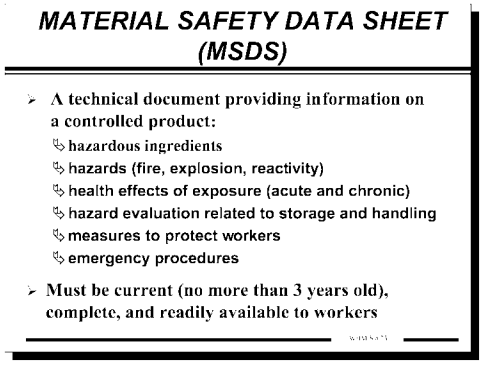
4) Portable containers filled from supplier containers, as well as products produced in a laboratory for research and development work in the same lab, do not need a workplace label, only _____.

# Material Safety Data Sheet (MSDS)

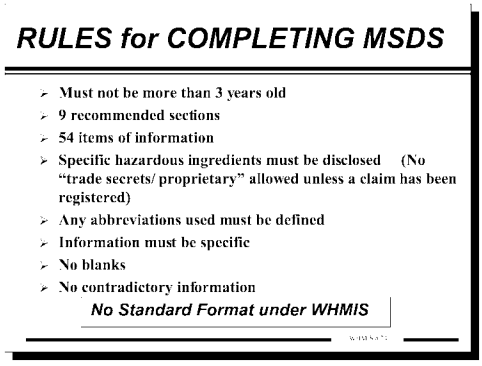
## MSDS INFORMATION

The MSDS is a technical bulletin that provides detailed hazard, precautionary, and emergency information about the controlled product. The MSDS must be made available and accessible to workers.




The *Controlled Products Regulations* list 54 items of information in 9 recommended sections on an MSDS, but does not require a standard format. MSDSs may be in different formats, and sections can be arranged in a different order.



## 9-SECTION MSDS — SAMPLE FORMAT

A sample format for a 9-section MSDS is shown on the next three pages.

### SECTION 1 — Product Information

| | | | |
|---|---|---|---|
| Product Identifier | | WHMIS Classification *(optional)* | |
| Product Use | | | |
| Manufacturer's Name | | Supplier's Name | |
| Street Address | | Street Address | |
| City | Province | City | Province |
| Postal Code | Emergency Telephone | Postal Code | Emergency Telephone |

### SECTION 2 — Hazardous Ingredients

| **Hazardous Ingredients** *(specific)* | **%** | **CAS Number** | **$LD_{50}$ of Ingredient** *(specify species and route)* | **$LC_{50}$ of Ingredient** *(specify species)* |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

### SECTION 3 — Physical Data

| | | | |
|---|---|---|---|
| Physical State | Odour and Appearance | | Odour Threshold (ppm) |
| Specific Gravity | Vapour Density (air = 1) | Vapour Pressure (mmHg) | Evaporation Rate |
| Boiling Point (°C) | Freezing Point (°C) | pH | Coefficient of Water/Oil Distribution |

### SECTION 4 — Fire and Explosion Data

| | | |
|---|---|---|
| Flammability ❒ Yes ❒ No | If yes, under which conditions? | |
| Means of Extinction | | |
| Flashpoint (°C) and Method | Upper Flammable Limit *(% by volume)* | Lower Flammable Limit *(% by volume)* |
| Autoignition Temperature (°C) | Explosion Data — Sensitivity to Impact | Explosion Data — Sensitivity to Static Discharge |
| Hazardous Combustion Products | | |

***Product Identifier:***

## SECTION 5 — Reactivity Data

| | |
|---|---|
| Chemical Stability<br>❒ Yes ❒ No | If no, under which conditions? |
| Incompatibility with Other Substances<br>❒ Yes ❒ No | If yes, which ones? |
| Reactivity, and Under What Conditions? | |
| Hazardous Decomposition Products | |

## SECTION 6 — Toxicological Properties

| | | | | |
|---|---|---|---|---|
| Routes of Entry<br>❒ Skin Contact | ❒ Skin Absorption | ❒ Eye Contact | ❒ Inhalation | ❒ Ingestion |
| Effects of Acute Exposure to Product | | | | |
| Effects of Chronic Exposure to Product | | | | |

| | |
|---|---|
| Exposure Limits *(value, source, date)* | Irritancy *(if yes, explain)*<br>❒ Yes ❒ No |
| Sensitization *(if yes, explain)*<br>❒ Yes ❒ No | Carcinogenicity *(if yes, explain)*<br>❒ Yes ❒ No |
| Reproductive Toxicity *(if yes, explain)*<br>❒ Yes ❒ No | Teratogenicity *(if yes, explain)*<br>❒ Yes ❒ No |
| Mutagenicity *(if yes, explain)*<br>❒ Yes ❒ No | Synergistic Products *(if yes, explain)*<br>❒ Yes ❒ No |

## SECTION 7 — Preventive Measures

| | | | | | |
|---|---|---|---|---|---|
| Personal Protective Equipment<br>❒ Gloves | ❒ Respirator | ❒ Eye | ❒ Footwear | ❒ Clothing | ❒ Other |
| If checked, specify type | | | | | |
| Engineering Controls *(specify, such as ventilation, enclosed process)* | | | | | |
| Leak and Spill Procedure | | | | | |
| Waste Disposal | | | | | |
| Handling Procedures and Equipment | | | | | |
| Storage Requirements | | | | | |

| | |
|---|---|
| Special Shipping Information | PIN |

***Product Identifier:***

## SECTION 8 — First Aid Measures

| |
|---|
| Inhalation |
| Ingestion |
| Skin Contact |
| Eye Contact |

## SECTION 9 — Preparation Information

| Prepared by *(group, department, etc.)* | Telephone Number | Preparation Date |
|---|---|---|
| | | |

## MSDS SECTIONS

The following are the nine recommended section headings and the types of information found in each section:

### *Product Identification*

Product name, product use, and information on how to contact the supplier or manufacturer.

### *Hazardous Ingredients*

Chemical names of the hazardous ingredients, percentages, and the acute toxicity data for each component.

### *Physical Data*

General information on physical properties of the product (e.g. specific gravity, boiling point, evaporation rate).

### *Fire and Explosion Data*

Conditions under which the product may catch fire or explode, and the means of extinction.

### *Reactivity Data*

Conditions and other substances that should be avoided to prevent dangerous reactions.

### *Toxicological Properties*

Identifies how the substance enters the body and what the short- and long-term health effects are.

### *Preventive Measures*

Information on control measures including ventilation, personal protective equipment, and work procedures.

### *First Aid Measures*

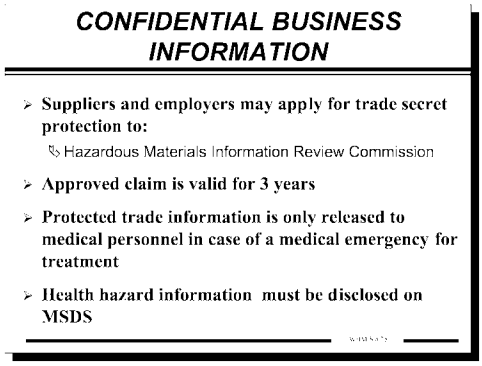
Specific instructions for immediate treatment in case of injury or illness.

### *Preparation Information*

Lists who prepared the MSDS and when.

## TRADE SECRETS

Suppliers and employers may apply to the Hazardous Materials Information Review Commission to withhold certain types of information.



# MSDS Exercises

1) Where are the MSDSs kept in your workplace?

2) How often must an MSDS be updated?

3) How many items of information are required on an MSDS?

4) Define acute and chronic exposure?

5) Using an MSDS for a product in your workplace: review the hazards of the product, the safe handling procedures, personal protective equipment, storage and shipping requirements for the product.

## 9-SECTION MSDS CHECKLIST

### Review of 54 Items Required by *Controlled Products Regulations* (Schedule I)

***Product Identifier:*** _____

☑ = information present as required
☒ = information inaccurate or missing
N/AP = information not applicable
N/AV = information not available
[ ] = optional information (not required by *CPR*)

[WHMIS Class(es)]:

| INFORMATION TO BE DISCLOSED ON AN MSDS | COMMENTS |
|---|---|

**SECTION 1 — Product Information**

| | |
|---|---|
| ❒ Product Identifier, [WHMIS Classification] | |
| ❒ Product Use | |
| ❒ Manufacturer's Name, Street Address, City, Province/State, Postal/Zip Code, Emergency Telephone, [Fax Number] | |
| ❒ Supplier's Name, Street Address, City, Province/State, Postal/Zip Code, Emergency Telephone, [Fax Number] | |

**SECTION 2 — Hazardous Ingredients**

| Hazardous Ingredients *(specific)* | % | CAS Number | $LD_{50}$ | $LC_{50}$ | |
|---|---|---|---|---|---|
| ❒ | ❒ | ❒ | ❒ | ❒ | |
| ❒ | ❒ | ❒ | ❒ | ❒ | |
| ❒ | ❒ | ❒ | ❒ | ❒ | |
| ❒ | ❒ | ❒ | ❒ | ❒ | |
| ❒ | ❒ | ❒ | ❒ | ❒ | |

**SECTION 3 — Physical Data**

| | |
|---|---|
| ❒ Physical State (gas, liquid, or solid) | |
| ❒ Odour and Appearance | |
| ❒ Odour Threshold (ppm) | |

***Product Identifier:***

| INFORMATION TO BE DISCLOSED ON AN MSDS | COMMENTS |
|---|---|
| ❒ Specific Gravity | |
| ❒ Vapour Density (air = 1) | |
| ❒ Vapour Pressure (mmHg) | |
| ❒ Evaporation Rate | |
| ❒ Boiling Point (°C) | |
| ❒ Freezing Point (°C) | |
| ❒ pH | |
| ❒ Coefficient of Water/Oil Distribution | |

## SECTION 4 — Fire and Explosion Data

| | |
|---|---|
| ❒ Conditions of Flammability | |
| ❒ Means of Extinction | |
| ❒ Flashpoint (°C) and Method of Determination (open-cup or closed-cup) | |
| ❒ Upper Flammable Limit *(% by volume)* | |
| ❒ Lower Flammable Limit *(% by volume)* | |
| ❒ Autoignition Temperature (°C) | |
| ❒ Explosion Data — Sensitivity to Impact | |
| ❒ Explosion Data — Sensitivity to Static Discharge | |
| ❒ Hazardous Combustion Products | |

## SECTION 5 — Reactivity Data

| | |
|---|---|
| ❒ Conditions Under which the Product is Chemically Unstable | |
| ❒ Name of Any Substance or Class of Substance with which the Product is Incompatible | |
| ❒ Conditions of Reactivity | |
| ❒ Hazardous Decomposition Products | |

***Product Identifier:***

| INFORMATION TO BE DISCLOSED ON AN MSDS | COMMENTS |
|---|---|

## SECTION 6 — Toxicological Properties

| | |
|---|---|
| ❒ Routes of Entry<br>❒ Skin Contact<br>❒ Skin Absorption<br>❒ Eye Contact<br>❒ Inhalation<br>❒ Ingestion | |
| ❒ Effects of Acute Exposure to Product | |
| ❒ Effects of Chronic Exposure to Product | |
| ❒ Exposure Limits *(value, source, date)*<br>❒ ACGIH<br>❒ OSHA<br>❒ Other | |
| ❒ Irritancy of Product | |
| ❒ Sensitization of Product | |
| ❒ Carcinogenicity<br>❒ IARC *(1, 2A, or 2B)*<br>❒ ACGIH *(A1, A2, or A3)* | |
| ❒ Reproductive Toxicity | |
| ❒ Teratogenicity | |
| ❒ Mutagenicity | |
| ❒ Name of Toxicologically Synergistic Products | |

## SECTION 7 — Preventive Measures

| | |
|---|---|
| ❒ Specific Personal Protective Equipment<br>❒ Gloves<br>❒ Respirator<br>❒ Eye<br>❒ Footwear<br>❒ Clothing<br>❒ Other | |
| ❒ Specific Engineering Controls To Be Used<br>❒ General<br>❒ Local Exhaust<br>❒ Other *(specify)* | |
| ❒ Leak and Spill Procedure | |

***Product Identifier:***

| INFORMATION TO BE DISCLOSED ON AN MSDS | COMMENTS |
|---|---|

**SECTION 7 — Preventive Measures (continued)**

| | |
|---|---|
| ❒ Waste Disposal | |
| ❒ Handling Procedures and Equipment | |
| ❒ Storage Requirements | |
| ❒ Special Shipping Information | |
| ❒ PIN | |

**SECTION 8 — First Aid Measures**

| | |
|---|---|
| ❒ Specific First Aid Measures<br>❒ Inhalation | |
| ❒ Ingestion | |
| ❒ Skin Contact | |
| ❒ Eye Contact | |

**SECTION 9 — Preparation Information**

| | |
|---|---|
| ❒ Prepared by *(group, department, etc.)* | |
| ❒ Telephone Number | |
| ❒ Preparation Date *(original date or date of last review)* | |

# WHMIS Implementation

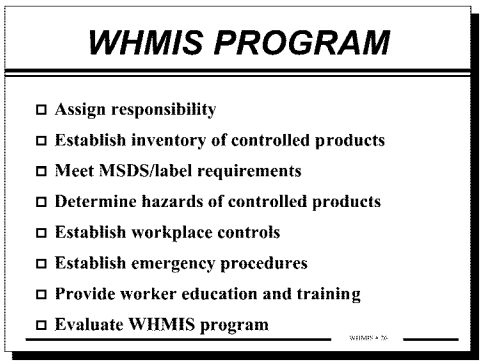
## WHMIS PROGRAM

The WHMIS program will be specific to the workplace, but the major elements of the program will be similar to the checklist shown below.

The health and safety committee or representative must be involved in the program development, implementation, and review.

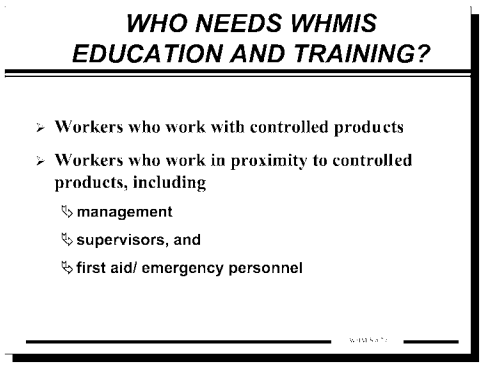
The employer must use WHIMS information (MSDS, label) and other workplace knowledge to develop written safe work procedures and emergency procedures.

The workers must be educated about the hazards and trained in safe work procedures.




## EDUCATION AND TRAINING

Employers are responsible for educating workers about WHMIS and training workers in safe work procedures.



## WORKER EDUCATION

An employer must ensure that general WHMIS education is provided to worker on:

- major hazards of controlled products in use at the workplace
- rights and responsibilities
- content required on labels and MSDS, and the significance of this information
- elements of the WHMIS program

## WORKER TRAINING

An employer must ensure instruction in

- specific procedures
  - for the safe use, storage, handling and disposal of a controlled product
  - to follow in case of an escape of a controlled product
  - to follow in an emergency involving a controlled product
- safe use, storage, handling and disposal of a controlled product in transit, e.g., in a pipe

## EDUCATION AND TRAINING ASSESSMENT

Is the trainee able to answer these questions?

- What are the hazards of the product?
- How do I protect myself?
- What should I do in case of an emergency?
- Where do I obtain more information?

# Implementation Exercise

1) Why is it important to assign responsibility for implementation of the WHMIS program?

2) In what ways is the Occupational Safety and Health Committee or Representative expected to be involved in the WHMIS program of instruction?

3) Is watching a video WHMIS training?

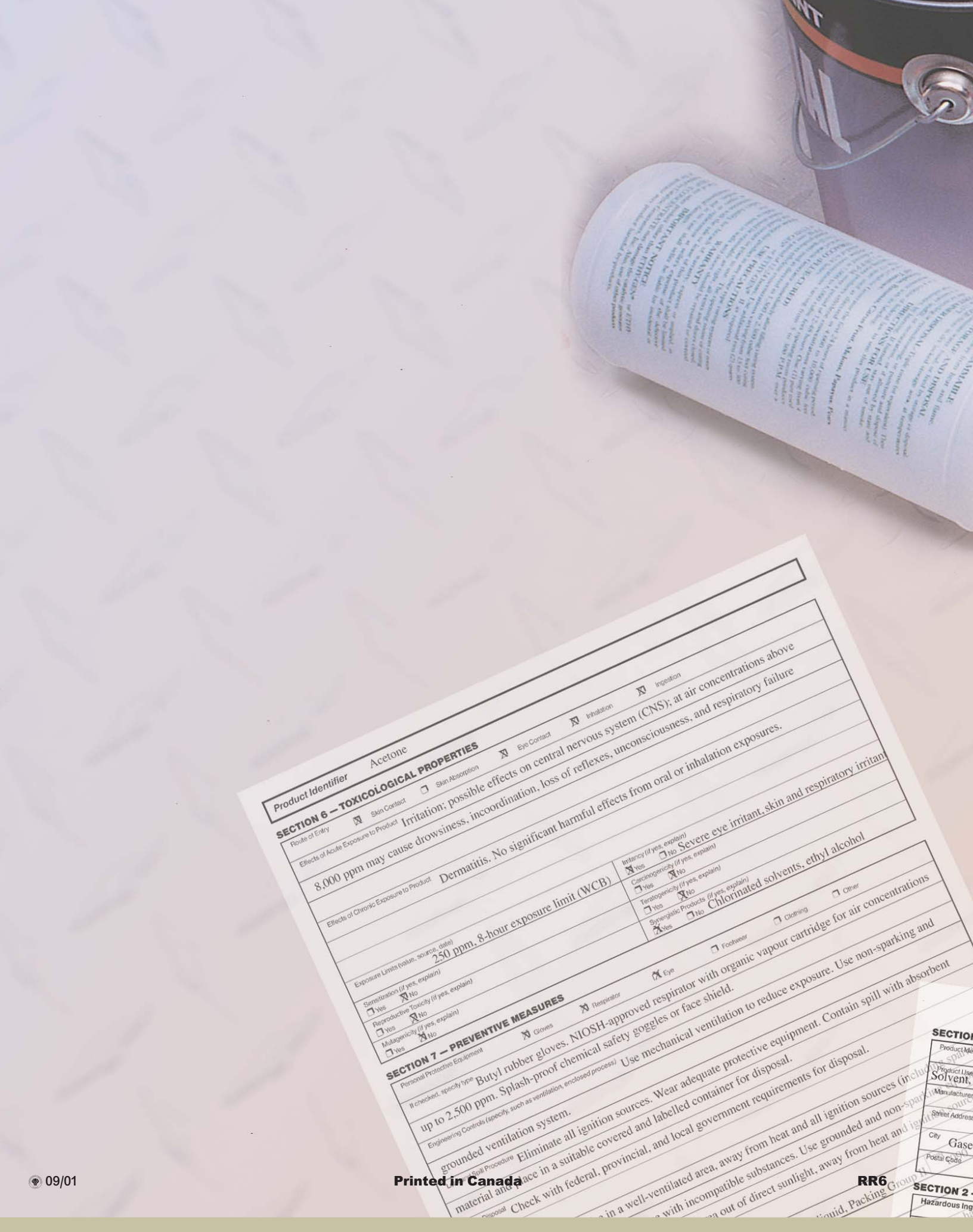
4) Take a product from your workplace and answer these four questions:

- What are the hazards of the product?
- How do you protect yourself?
- What do you do in the event of a spill?
- Where can you get more information?

# Notes

# Notes

# Notes


Product Identifier Acetone
SECTION 6 — TOXICOLOGICAL PROPERTIES
Route of Entry Skin Contact Skin Absorption Eye Contact Inhalation Ingestion
Effects of Acute Exposure to Product 8,000 ppm may cause drowsiness, incoordination, loss of reflexes, unconsciousness, and respiratory failure
Effects of Chronic Exposure to Product Dermatitis. No significant harmful effects from oral or inhalation exposures.
Exposure Limits (value, source, date) 250 ppm, 8-hour exposure limit (WCB)
Sensitization (if yes, explain) No
Reproductive Toxicity (if yes, explain) No
Mutagenicity (if yes, explain) No
Infancy (if yes, explain) No Severe eye irritant, skin and respiratory irritant
Carcinogenicity (if yes, explain) No
Teratogenicity (if yes, explain) No
Synergistic Products (if yes, explain) No Chlorinated solvents, ethyl alcohol
SECTION 7 — PREVENTIVE MEASURES
Personal Protective Equipment Gloves Respirator Eye Footwear Clothing Other
If checked, specify type Butyl rubber gloves. NIOSH-approved respirator with organic vapour cartridge for air concentrations up to 2,500 ppm. Splash-proof chemical safety goggles or face shield.
Engineering Controls (specify, such as ventilation, enclosed process) Use mechanical ventilation to reduce exposure. Use non-sparking and grounded ventilation system.
Spill Procedure Eliminate all ignition sources. Wear adequate protective equipment. Contain spill with absorbent material and place in a suitable covered and labelled container for disposal.
Disposal Check with federal, provincial, and local government requirements for disposal.
in a well-ventilated area, away from heat and all ignition sources (
with incompatible substances. Use grounded and non-
a out of direct sunlight, away from heat and
liquid. Packing
SECTION
Product Ide
Product Use
Solvent,
Manufacturer
Street Address
City Gase
Postal Code
SECTION 2
Hazardous Ing