NEXT WORLD

Hazardous Substances

VR Module Overview

Modelled from Unit of Competency: TLID0021

23 minutes

Analytics

13 languages

Experience Overview

What's included in VR Hazardous Substances

Train your team to handle, store, and respond to hazardous substances safely, because one misstep can harm workers, equipment, and the environment.

This immersive experience drops participants into a dynamic warehouse where they'll encounter a range of chemical hazards. Trainees will learn how to correctly interpret and apply information from Safety Data Sheets (SDS) while using structured risk assessment tools to respond appropriately in high-risk scenarios.

Hazardous substances are part of many jobs—but without proper handling and SDS awareness, they can be deadly.

Participants navigate real-world scenarios where they must:

- Identify hazardous materials and assess the associated risks.
- Use the correct sections of a Safety Data Sheet to inform decisions.
- Apply the Hierarchy of Controls and Risk Assessment Matrix to mitigate chemical hazards.
- Recognise the consequences of poor chemical safety and response.

This practical training builds more than compliance, it builds instinctive awareness and behaviour that protects workers, customers, and the environment.

Features

- Explore an immersive warehouse environment as you practice identifying the different types of hazardous substances and their properties
- Experience the consequences of poor hazardous substance handling
- Complete a site safety inspection under exam conditions
- Integrated analytics and student performance
- Completed in 23 minutes
- Available in 13 languages

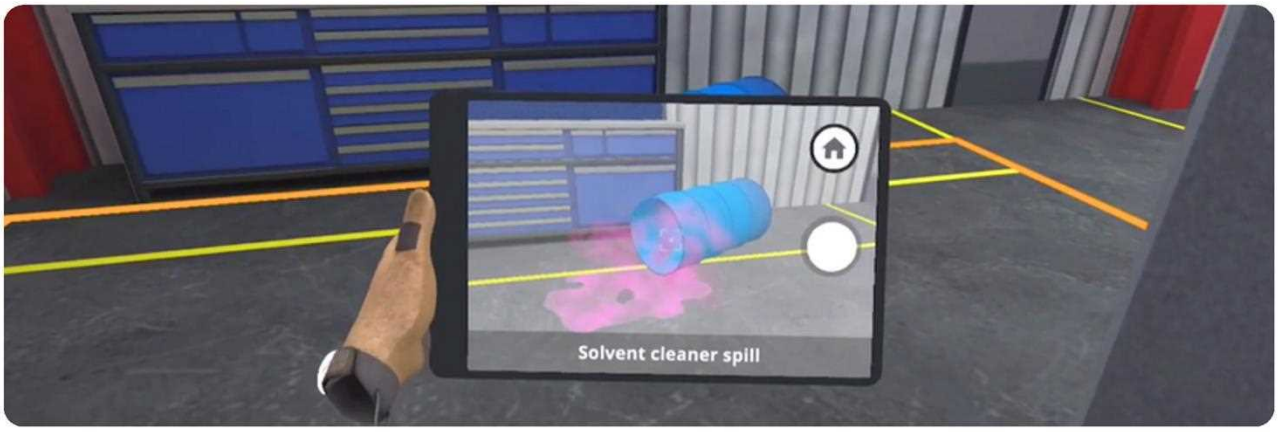
Languages

- English (AU, US, UK)
- Arabic
- Hindi
- Spanish
- French
- German
- Italian
- Portuguese
- Serbian
- Polish
- Bosnian

Modelled from Unit of Competency: TLID0021

Training Frameworks

The experience is built around a phased, competency-based training structure:



A. Tutorial

- Learners are introduced to VR tools (tablet/camera) and practice taking hazard photos.

B. Discovery

- Learners answer multiple-choice questions to assess prior knowledge.

C. Instruction

- Learners explore guided scenarios in a warehouse, identifying real hazards using SDSs and receiving direct feedback.

D. Practice

- Semi-guided activities where learners judge whether scenes are safe or hazardous, with reminders to refer to SDSs.

E. Exam

- Fully independent scenario assessments, requiring photo evidence and answering SDS-based questions.

F. Results and Feedback

- Performance review with detailed feedback on correct, missed, or misjudged hazards.

Key Learning Outcomes

Engaging methods of training Hazardous Substances

Understand how to use Safety Data Sheets (SDSs) to identify and manage hazardous substances.
Interpret key SDS sections:

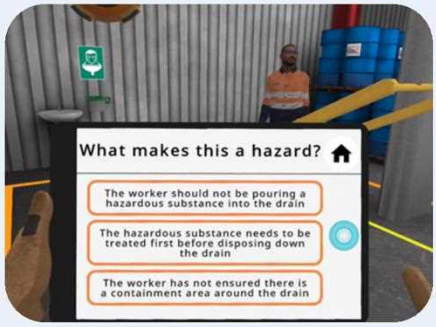
- Hazard Identification
- First Aid Measures
- Accidental Release Measures
- Handling and Storage
- Exposure Controls/PPE
- Disposal Considerations
- Review and validity info

Recognise GHS labels and pictograms to classify hazards (flammable, toxic, environmental, etc.).
Identify unsafe practices, such as:

- Using unlabelled containers
- Skipping PPE
- Incorrect storage or disposal
- Unsafe spill handling

Apply correct procedures, including:

- Reading and validating SDS review dates
- Choosing and wearing appropriate PPE
- Storing substances per SDS requirements
- Disposing substances per regulatory guidance



Make judgment calls on whether scenarios are safe or hazardous, improving critical thinking and hazard recognition.

Discovery

In this segment, trainees are tested on their subject matter knowledge prior to commencing any training.

A Safety Data Sheet goes with how many hazardous substances?

- ✓ One safety data sheet per hazardous substance
- ✗ One safety data sheet per type of hazardous substance
- ✗ One safety data sheet fits all hazardous substances

A Safety Data Sheet should be no older than?

- ✗ 3 Years
- ✗ 4 Years
- ✓ 5 Years

How many headings are in a Safety Data Sheet?

- ✗ 14
- ✓ 16
- ✗ 18

Practice

In this segment, trainees are placed in a practice scenario and asked to complete various tasks.

What makes this a hazard?

- The hazardous substance has been left unattended
- The hazardous substance has been left with the lid open
- The hazardous substance has been stored in the wrong spot

TARGET

What makes this a hazard?

- The worker should not be pouring a hazardous substance into the drain
- The hazardous substance needs to be treated first before disposing down the drain
- The worker has not ensured there is a containment area around the drain

Exam

In this segment, trainees are asked to complete various tasks toward their final assessment. This segment is scored and will dictate their final score.

TARGET

What makes this a hazard?

- This hazardous substance should not be disposed of with general waste
- The hazardous substance is not in an upright position to stop spillage when being disposed of
- The bin is too full for the hazardous substance to be disposed of safely

TARGET

What is the level of risk?

- Low
- High
- Medium
- Very High

TARGET

Which control method is most applicable?

- PPE
- Admin
- Elimination
- Engineering
- Substitution

TARGET

What does the SDS say on how should you dispose of the Hazardous Substance?

- ✗ Dispose of by incineration in accordance with regulation
- ✗ The container should be recycled following typical recycling procedure
- ✓ Dispose by an authorised plant in accordance with regulations

TARGET

What makes this a hazard?

- ✗ The hazardous substance is corrosive and should be moved while nearby work is being conducted
- ✓ The hazardous substances is flammable and has a potential to catch on fire
- ✗ The hazardous substance is explosive and should be moved while nearby work is being conducted

TARGET

What is the level of risk?

- ✗ Low
- ✗ High
- ✓ Medium
- ✗ Very High

TARGET

Which control method is most applicable?

- ✗ PPE
- ○ Admin
- ✗ Elimination
- ✓ Engineering
- ✗ Substitution

TARGET

What controls are appropriate to minimise risk?

- ✓ Put a fire proof barrier in-between to stop sparks from getting near the hazardous substance
- ✗ The worker should be using the equipment somewhere else.
- ✗ The worker should use a different tool to stop the risk to the hazardous substance.

TARGET

What makes this a hazard?

- ✗ The substance has not been secured appropriately
- ✓ The hazardous substance is not stored in an upright position
- ✗ The hazardous substance is not stored off the ground

TARGET

What is the level of risk?

- ✓ Low
- ✗ High
- ✗ Medium
- ✗ Very High

TARGET

Which control method is most applicable?

- ✗ PPE
- ✓ Admin
- ✗ Elimination
- ✗ Engineering
- ✗ Substitution

TARGET

What is the correct way to store this Hazardous Substance according to the SDS?

- ✗ In a room temperature place in an upright position. Making sure to store off the ground
- ✓ In a cool, dry, well ventilated place, away from direct sunlight, in an upright position. Resealed if opened
- ✗ In a well ventilated place in an upright position. Maximum storage 365 days

TARGET

What makes this a hazard?

- ✗ Pouring hazardous substances into an unmarked container
- ✓ The hazardous substance has got the wrong GHS labelling on it
- ✗ The hazardous substance is being poured into a incompatible container

TARGET

What is the level of risk?

- ✗ Low
- ✓ High
- ✗ Medium
- ✗ Very High

TARGET

Which control method is most applicable?

- ✗ PPE
- ✓ Admin
- ✗ Elimination
- ✗ Engineering
- ✗ Substitution

TARGET

What GHS pictograms should the hazardous substance container have according to the SDS?

- ✗ Flame, Exploding Bomb, Corrosion
- ✓ Flame, Exclamation Mark, Health Hazard
- ✗ Flame, Environment, Exclamation Mark

TARGET

What makes this a hazard?

- ✗ The worker is completing their task in a way that may cause an accidental release
- ✗ The worker isn't following handling procedure for this hazardous substance
- ✓ The worker is not wearing correct PPE for this task

TARGET

What is the level of risk?

- ✗ Low
- ✗ High
- ✓ Medium
- ✗ Very High

TARGET

Which control method is most applicable?

- ✓ PPE
- ✗ Admin
- ✗ Elimination
- ✗ Engineering
- ✗ Substitution

TARGET

What is the correct First-Aid response for skin contact, according to the SDS?

- Wash hands with lots of water, take victim to doctors if irritation persists
- Wash hands with lots of water, immediately take victim to doctors
- Wash hands with lots of water, no symptoms should appear afterwards

TARGET

What makes this a hazard?

- The worker is using the hazardous substance in a small room with people in it
- The room is not well ventilated for the hazardous substance to be used in
- The worker isn't wearing the correct PPE

TARGET

What is the level of risk?

- Low
- High
- Medium
- Very High

TARGET

Which control method is most applicable?

- PPE
- Admin
- Elimination
- Engineering
- Substitution

TARGET

What controls are appropriate to minimise risk?

- The worker should wear the correct PPE
- The worker needs to wait before everyone leaves the room before starting to clean
- Use a different substance to clean the white board

VR Trainee Certificate

Employees will receive a VR Trainee Certificate upon successfully completing a training module in the Next World platform.

Certificate of Completion:
Finished the module, underperformed the pass threshold

Certificate of Achievement:
Finished the module, exceeded the pass threshold

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