

## Unit Standards 21718

### Demonstrate knowledge of hazardous materials used in the motor industry

Level 2 Credit 2 v2

**Student Name:**

**School:**

**Date:**

**Marked By:** \_\_\_\_\_ **Mark** \_\_\_\_\_ **%**

**Feedback:**      **Excellent work**

**Good work**

**Please attempt all questions**

**Please resubmit**

## **USEFUL WEBLINKS**

### **First Aid Kits**

<http://youtu.be/GJ4RolsbBIA>

### **General Safety Tips**

<http://youtu.be/-opN-c7hajY>

### **PPE**

<http://youtu.be/DifwfHhsBXo?list=PLn-gdYigDYHnlmd--eDNqh-kQrzjWYmK5>

### **Working with chemicals**

<http://youtu.be/ay3CxDGXHdQ>

### **Handling gas cylinders**

<http://youtu.be/u5UUAIESvHs>

### **Welding Safety**

[http://youtu.be/L\\_spkwSjdFA](http://youtu.be/L_spkwSjdFA)

### **Dealing with spills**

<http://youtu.be/NeH98Rx7dOE>

<http://youtu.be/ajDreCzT9tY>

### **Fire Extinguishers**

<http://youtu.be/uASkD7Dalu8>

### **Isocyanates**

<https://youtu.be/B11KQgvNXoI>

### **Fumes**

<https://youtu.be/UHtksoyY1Q>

### **Dangerous Goods Stores**

<https://youtu.be/FgYQ5pFpTzY>

<https://youtu.be/JMmFmRWCTfk>

### **Greenhouse Effect**

<http://youtu.be/5zLuqSYF68E>

<http://youtu.be/RHrFBOUl6-8>

<http://youtu.be/T-sy6rPJBj4>

## REVIEW QUESTIONS

- Q1 a) What is the name of the legislation covering the safe use, handling and storage of hazardous materials and waste?
- b) What is the name of the legislation that requires all businesses to take all reasonable steps to ensure the safety of their employees and any visitors to their premises?

Q2 What is the purpose of the material safety data sheets?

Q3 Provide an automotive use for each of these hazardous materials

Antifreeze

Paints

Solvents

Masking materials

Fillers

Plastic

Acetylene

Q4 What is an emergency response plan?

Q5 The incorrect handling and disposal of hazardous materials can have a negative impact on the environment. Provide a potential effect this could have in each of the following areas.

a) Ozone layer

b) Waterways

c) Plant life/crops

Q6 Give an example of how fumes can be a hazard in the automotive industry

Q7 Give an example of how dust can be a hazard in the automotive industry

Q8 How should the following hazardous materials be stored?

Solvents

Acids

Adhesives

Fuels

Q9 What are three features that a dangerous goods store should have?

1.

2.

3.

Q10 How should waste oil be stored?

Q11 How do workshops prevent fuels and oils that are spilt and washed into the drainage system from getting into the waterways?

Q12 Outline the safe disposal method for:

Masking materials

Rags used to clean brakes,  
clutches and gaskets

Batteries

Solvents

Q13 List the 6 steps to follow in the event of a chemical spill

1.

2.

3.

4.

5.

6.

Q14 Provide a safe working practice for each of the following hazardous materials

Paint

Chemicals

Solvents

Masking materials

Plastic materials

Filler dust



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